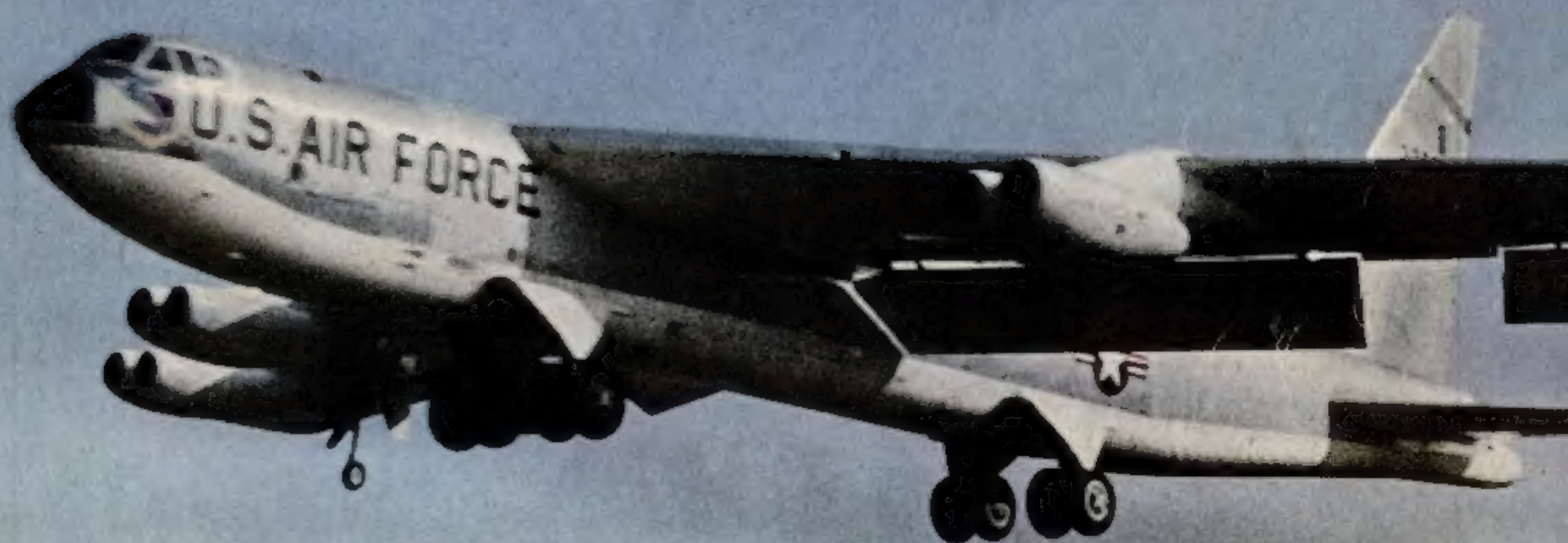


# LIFE

AROUND THE WORLD IN 45 HOURS  
POINT-TO-POINT NARRATIVE OF HISTORIC FLIGHT  
HOW KANSAS RECRUITED 'WILT THE STILT'



TAKE-OFF OF GLOBE-CIRCLING B-52

20 CENTS

JANUARY 28, 1957





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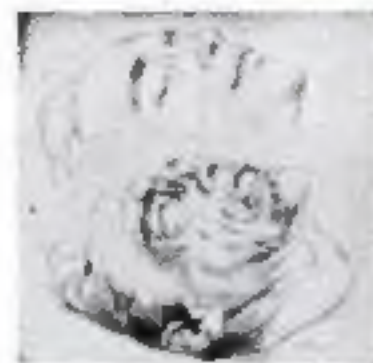
P. S. To keep it fresh, keep it cold.





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REMOVING MIND'S MASK

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NATALIE WOOD

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CUTTING LAKE ICE

## The wooing of a wonder boy

How a wily coach and his willing cohorts outfoxed their competitors and recruited the best U.S. college basketball player to play for Kansas.



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VOLUME 42  
NUMBER 4



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WHILE IT **GUARDS · GUARDS · GUARDS** YOUR TEETH

**Like Colgate Dental Cream!**

Because No Other Leading Toothpaste  
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TO GIVE YOU LONG-LASTING  
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...With Just One Brushing!



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**Cleans Your Breath While It Guards Your Teeth**

This One



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most elegant of the  
straight bourbons  
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as "Ruggles"



*Imogene Coca*  
as "Effie"



*David Wayne*  
as "Egbert"

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JANE POWELL—the singing and dancing star of innumerable films.  
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**SAVE 10¢**

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*Made fresh daily!*

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as "Clementine"



*Peter Lawford*  
as "Lord George"



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*Also get your free copies of exciting recipes!*



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*Delicious, handy,  
economical!*

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**SAVE 10¢**

**Swift's Premium Brown 'N Serve Sausage**

*New 3 minute sausage ready quick as your coffee!*

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**SAVE 15¢**

**Tender-FROZEN Swift's Premium Loin Luncheon Steaks**

*Always handy,  
no "fixing" needed.*

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**SAVE 15¢**

**Tender-grown Swift's Premium Chicken**

*—tagged "Tender-grown," truly  
the way to a family's heart.*

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*Double flavor, double treat!*

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**SAVE 10¢**

**Allsweet—favorite on breads, vegetables, potatoes**

*Delicate, natural flavor.*

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**DOLE** **PINEAPPLE** for an elegant touch as easy as a breeze !



It's all golden, all delicious, all *Hawaiian* pineapple. And DOLE pineapple—being what it is—lifts any dish out of the doldrums. Above, sliced pineapple, a gay twist and a little paprika edging, make a cottage cheese salad extra good eating!

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YOU PAY A BIG  
UNEXPECTED  
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# LETTERS TO THE EDITORS

## THE AGE OF PSYCHOLOGY

Sirs:

Thank you for the splendid new series, "The Age of Psychology in the U.S." (LIFE, Jan. 7).

Without question, such a series will be of inestimable value in educating the public to proper mental health principles. It should also obtain a greater measure of public understanding of the enormous problem of mental illness.

LEIGH H. HAMMERSLEY  
President

Connecticut Association for Mental Health, Inc.  
New Haven, Conn.

Sirs:

Probably the most dreadful picture you have published in a long time is that on page 80, captioned, "Harmonious team which treats one mental patient," a back view of a woman patient being confronted, not just by a doctor, but by 12 characters, ranging from the "psychologist" to the priest.

This little horror seems to me to epitomize magnificently what is wrong with American life, with life in the Western world in general. Get together a "harmonious team" and all our problems are solved.

The first article on psychology comes nowhere near the deep issues of human personality with which it pretends to deal.

WALTER MILLIS

New York, N.Y.

Sirs:

A gold star for you for shedding an intense ray of light upon the dark, dubious and mysterious profession of psychology.

ROLAND A. HALL

Kansas City, Kan.

Sirs:

So psychologists say "the higher one sets his goals in life, the more he is likely to accomplish and the happier he will be" is false. Bravo—just sit back, relax, settle for retirement at the age of 50 and a good pension plan, and keep your eyes glued to the television set.

Psychologists will be responsible to a large extent for nurturing a nation of well-adjusted nonentities.

HOPE NEVILLE

Pacific Palisades, Calif.

Sirs:

I would like to see Dr. Morgan try to convince an intelligent person that studying mathematics does not increase reasoning ability (Question 7) or that knowledge does not dispel prejudice (Question 9) or that punishment does not correct behavior (Question 12).

JOHN CHAPPELL JR.

Topeka, Kan.

● Dr. Morgan says: math increases mathematical reasoning only; people with considerable knowledge still have prejudices; if motivation is strong enough, punishment cannot correct behavior. ED.

Sirs:

Your definitions of some psychological terms such as neurotic, psychologist, etc. brought to mind a set of definitions which I heard in just several years ago: A neurotic is a person who builds dream castles, a psychotic lives in them, and a psychiatrist collects the rent.

MURTON I. KOTKIN

New York, N.Y.

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Sirs:

Many of us at McGraw-Hill have read with admiration the first article of your series on psychology.

I want to correct a misleading sentence in the article concerning Dr. Clifford Morgan, one of your consultants. Dr. Morgan is, as you say, relinquishing his faculty position at the Johns Hopkins University, but he is not doing so "to become editor of psychological publications for the McGraw-Hill Book Company." Dr. Morgan will continue as consulting editor of our series of college textbooks in psychology. This, however, is only one of several activities to which he will devote his time.

CURTIS C. BENJAMIN  
President

McGraw-Hill Book Company, Inc.  
New York, N.Y.

## LIVING FOSSILS OF AUSTRALIA

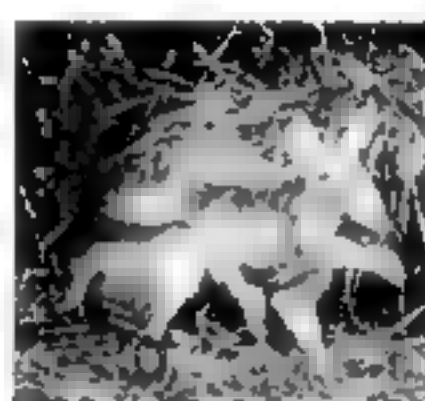
Sirs:

As a native Australian, I greatly appreciated "The Strange, Living Fossils of Australia" (LIFE, Jan. 7) and to this would like to add some other interesting oddities from the primitive animal world—down under.

The wombat, a compact fellow looking something like a pig, burrows deep into the earth, annoying farmers with his constant pranks. The bandicoot is a shy, attractive animal with a fine pointed snout and long slender toes. Eternal night roamers, they are frequently caught in traps set for rabbits. Their sole diet consists of roots and insects.

VALERIE CARNEY

Dallas, Texas



A WOMBAT AND A BANDICOOT

## THE BITTER DISPUTE OVER 'BABY DOLL'

Sirs:

Your article on the controversial film *Baby Doll* was most enlightening ("The Bitter Dispute Over 'Baby Doll,'" LIFE, Jan. 7). No better evidence could have been offered in support of Cardinal Spellman and the stand taken by the Catholic National Legion of Decency than the scenes pictured in LIFE.

Even more shocking, however, is the fact that a large number of people can find "nothing wrong with it."

CHARLENE WALTERS

Boise, Idaho

Sirs:

Will eminent ecclesiastical authorities ever learn that when they condemn a motion picture they virtually give its producer over a million dollars' worth of free advertising?

RALPH BOHRER

Jamestown, N.Y.

Sirs:

I am a barmaid in Utica, N.Y. and when the picture *Baby Doll* came here, nine other barmaids and I went to see it. We didn't think any picture could be as bad as the papers made this one seem.

After all, who has a better chance to view the human race than barmaids? After seeing it, we say to Mr. Elia Kazan: Keep up the good work!

K. V. MATTHEWS

Utica, N.Y.

## HUNGARIAN REFUGEES

Sirs:

The pictures of the Hungarian refugees ("They Pour In—and Family Shows Refugees Can Fit In," LIFE, Jan. 7) is a good report to the American people on the behavior and usefulness of these provoked people.

The lessons these immigrants have taught us will teach thousands the privileges of the American people.

L. W. LAZARUS

New York, N.Y.

Sirs:

Your article on one family's adjustment to U.S. life is misleading and harmful. Very few refugees came to this country to be greeted by a "prosperous and philanthropic industrialist" uncle.

Americans should remember that the Gullag family is the exception, not the rule.

STANLEY J. GALLOWAY

Falls Church, Va.

Sirs:

Although we should do all we can to help those escaping to freedom, the real honor should go to those we cannot help: the Hungarians who are staying behind in an enslaved country, still fighting, or waiting for an opportunity to fight, for freedom.

ROBERT GAMBLE

Cambridge, Mass.

## EDITORIAL

Sirs:

Congratulations for your editorial, "Double Task in the Middle East" (LIFE, Jan. 7). Your proposed five-point program which recognizes both the fears and ambitions of Egypt and Israel is worthy of State Department consideration.

EDWARD MACILL

New York, N.Y.

Sirs:

Your editorial is a masterly analysis of the problems facing us and the correct solutions.

SOLOMON GARR, M.D.

Yonkers, N.Y.

## LIFE'S COVER

Sirs:

Thanks to LIFE for the Jan. 7 cover. No more telling answer to the campaign against Richard Nixon could be made.

RUTH KEEN

Canaan, Conn.

## AN S FOR SCIENCE JOINS 3 Rs

Sirs:

"An S for Science Joins 3 Rs" (LIFE, Jan. 7) spotlights one of the most important developments in elementary education. Although they do not have expensive equipment, thousands of elementary schoolteachers throughout the country are teaching science with materials and equipment that they and their youngsters find at home, at school or possibly in their local hardware store.

WILLARD J. JACOBSON  
Associate Professor

Columbia University  
New York, N.Y.

Sirs:

Isn't "Learning is Fun" being overdone? Somewhere along the line, our kids are in for a shock. They are not being prepared for the tedious routine which is a part of almost all of the world's work.

MARGARET HICKMAN

Havertown, Pa.

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## *I tried not to cry*

I knew they'd give me a present at the office. We always do that when someone leaves to be married.

I even had a "thank you" speech all planned. But, when I turned back the tissue wrappings and found four place settings in International Sterling, I couldn't say a word.

I'd been longing for real, solid silver—and one of the girls had even remembered that I love the new Rhapsody pattern best! I was so choked up with gratefulness that . . . well, I

tried not to cry, but it was a good thing Joe Moran said something funny and everybody started to laugh.

Even when I did thank them for being so wonderful, I couldn't put into words what I really felt. To me, International Sterling stands for a way of life that's fine and genuine... a life that—like my new "family silver"—will grow even more beautiful as the years go by.

When you choose your family silver be sure to

see *Rhapsody* in International Sterling.

A new way of handling silver gives this lovely pattern a rich, sweeping beauty that, until now, has never been achieved in sterling design. It brings to life far more of the natural color and brilliance of the precious metal.

You can buy Rhapsody a piece or a place setting at a time. Or take home your complete service for 8—a "Family Living Set" in handsome chest. Pay for it later, if you wish. Just a few dollars a week.

## *International Sterling*

*The solid silver with beauty that lives forever*

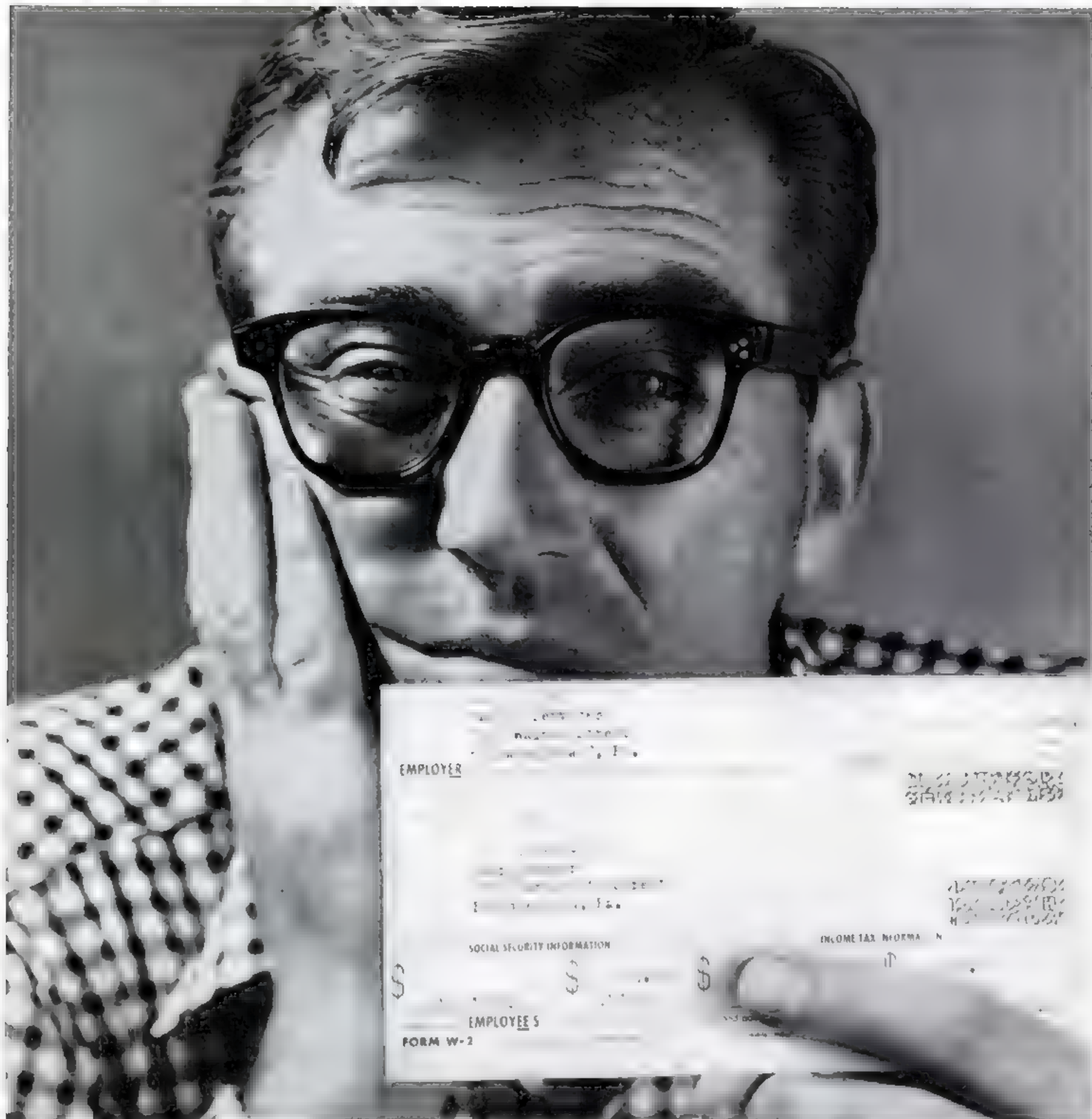


New RHAPSODY



Also available in Canada.  
The International Silver Company,  
Meriden, Connecticut.





## Where do your taxes go?

You may have a pretty good idea where taxes go. But did you know that some go to help pay other people's electric bills?

They're the families and businesses that get their electricity from federal government electric systems like the TVA.

While about 23¢ of every dollar you pay for electricity from your power company goes for taxes, those other people pay much less . . . only about 4¢ per dollar if their power comes from the government's TVA, for example. As a

result, you are taxed *more* to make up for what *they* don't have to pay.

Don't you think this unfair tax favoritism needs thorough study and discussion? *America's Independent Electric Light and Power Companies\**.

\* Company names on request through this magazine



# THE 1957 EDITION OF COMPTON'S *Pictured Encyclopedia*

IS OFF THE PRESS!

*You've never seen anything quite like it before*

**T**HAT simple statement can mean a great deal to you and to your family. It can bring a desire to know, a new attitude toward education and a new spirit of "learning together" into your home. It announces the latest edition of the finest set of educational books for boys and girls that the world knows how to build.

For here, in the 1957 COMPTON'S, is a fresh approach to the problem of home-school cooperation. It meets the new needs which parents and children have today because of overcrowded schools, overworked teachers, and lack of sufficient instructional materials.

**THE 1957 COMPTON'S IS UP-TO-DATE** Many facts and theories of only a few years ago are no longer true. Beliefs, attitudes, and values associated with nations,

individuals, and events have changed. New leaders, new ideas, new science, and new events parade before your eyes.

**THE 1957 COMPTON'S IS INVITING** In these days of television and other new methods of communication, educational books must be inviting. They must lead boys and girls to want to learn. They must attract, interest, hold, and satisfy.

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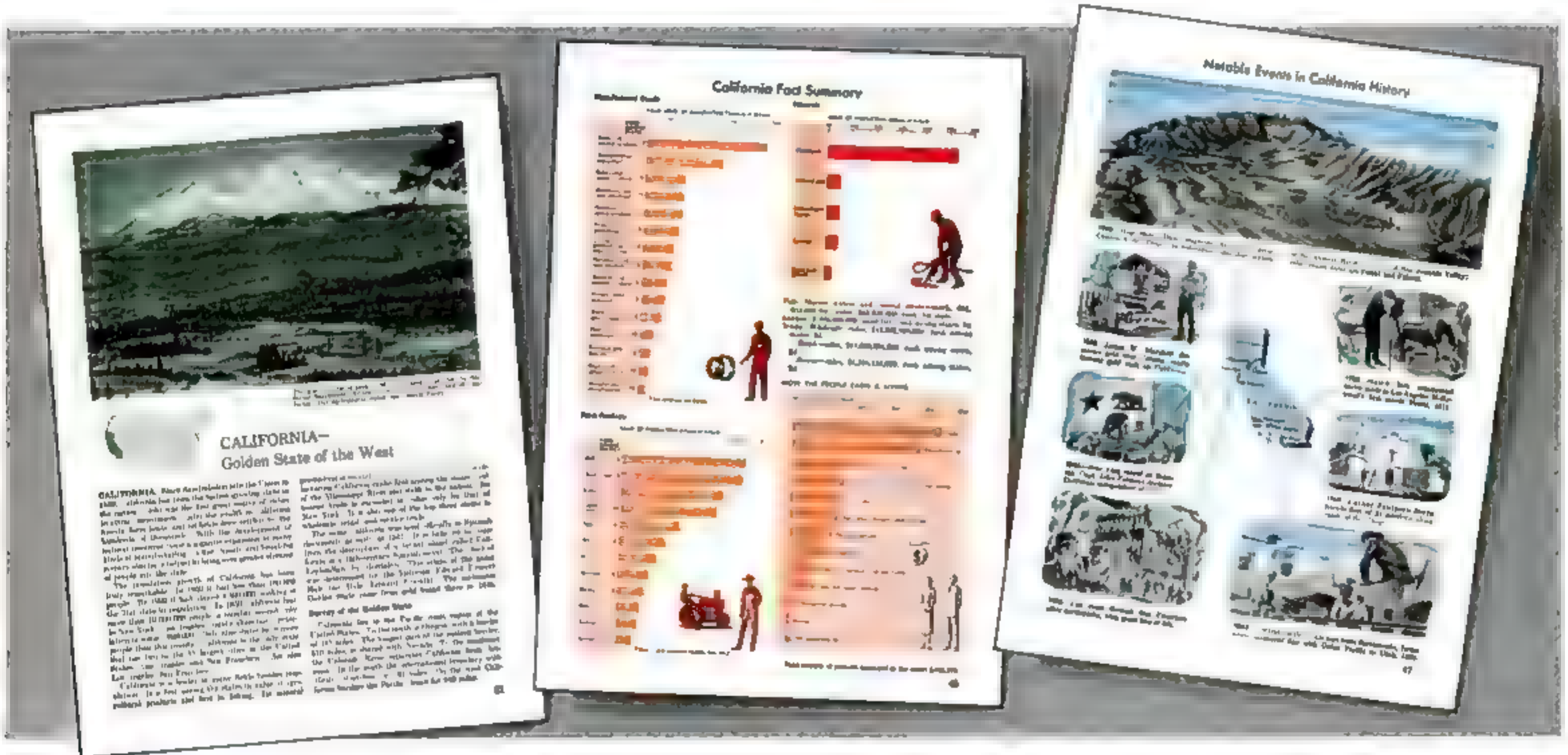
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Above are shown (much reduced in size) three pages which illustrate how clearly and interestingly COMPTON'S tells the story of each of our 48 states.

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there are almost 300 of them!

3) **OTHER MAPS** — 6 for each state. They show Regions, Extent, Products, Notable Events, Places of Interest, and a 2-page Political Map with index of counties, cities, towns and their populations. Each map is in color.

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...of a sluggish system and the dragged-out feeling that often follows. When constipated, take a laxative that helps you toward your normal regularity—overnight.

Take Ex-Lax for these two important reasons. One—Unlike some laxatives, Ex-Lax acts mostly in the large intestine, not the stomach. Does not rob you of vital foods. Two—Ex-Lax continues to help you toward your normal regularity—seldom, if ever, is Ex-Lax needed next day. Take pleasant-tasting, chocolate Ex-Lax.

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fornia. We've a little house just a few  
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flowers and sunshine all year. For,  
you see, I've retired. We're getting a  
check for \$300 a month that will keep  
us financially independent as long as  
we live.

"But if it weren't for that \$300, we'd  
still be living in Forest Hills, and I'd  
still be plugging away at the same old  
job. Strangely, it's all thanks to some-  
thing that happened, quite acciden-  
tally, in 1941. It was August 17, to  
be exact. I remember the date because  
it was my fortieth birthday.

"To celebrate, Peg and I were go-  
ing out to the movies. While she went  
upstairs to dress, I picked up a maga-  
zine and leafed through it idly. Then  
somehow my eyes rested on an ad. It  
said, 'You don't have to be rich to  
retire.' Probably the reason I read it  
through was that just that evening  
Peg and I had been saying how hard  
it was for us to put anything aside  
for our future.

"Well, we'd certainly never be rich.  
We spent money as fast as it came in.  
And here I was forty already. Over  
half my working years were gone.  
Someday I might not be able to go on  
working so hard. What then?

"Now this ad sounded as if it might  
have the answer. It told of a way that  
a man of 40—with no big bank ac-

count, but just fifteen or twenty good  
earning years ahead—could get a guar-  
anteed income of \$300 a month. It  
was called the Phoenix Mutual Re-  
tirement Income Plan.

"The ad offered more information.  
No harm in looking into it, I said. When  
Peg came down, I was tearing a cor-  
ner off the page. First coupon in my  
life I ever clipped. I mailed it on our  
way to the movies.

"Fifteen years slide by mighty fast.  
Times changed . . . hard times came  
... the war. I couldn't foresee them.  
But my Phoenix Mutual Plan was  
one thing I never had to worry about!  
1956 came . . . I got my first Phoenix  
Mutual check—and retired. We sold  
the house and drove West. We're liv-  
ing a new kind of life. Best of all,  
we've security a rich family might  
envy. Our \$300 a month will keep  
coming as long as we live."

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55, 60, 65 or older. Send the coupon  
and receive, by mail and without  
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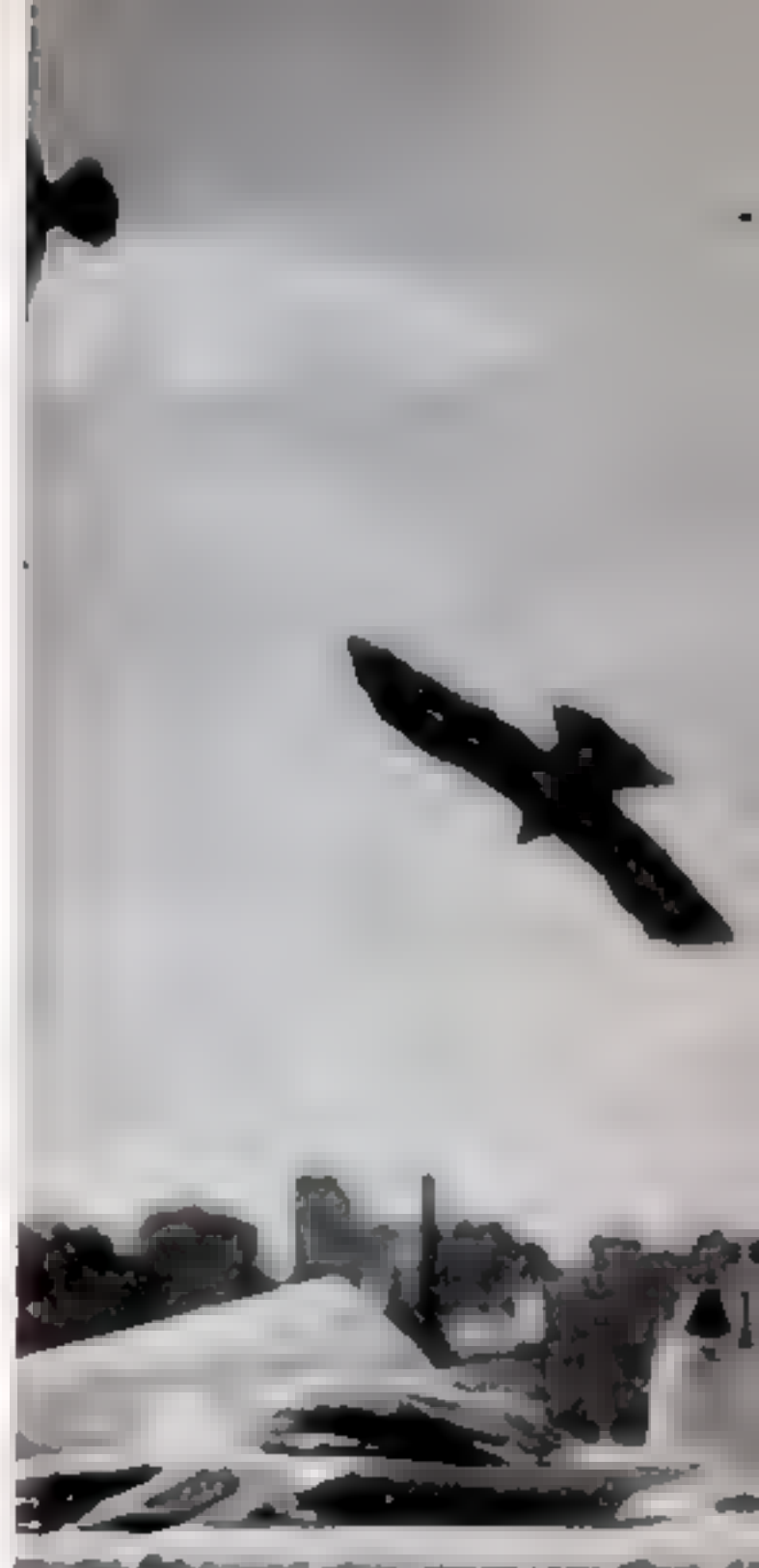
# A Sly Kite's Cagey Caper



**PREPARING LUNCH**, a waiter and busboy set table on private balcony of Semiramis Hotel. Birds have not yet spotted the food.

## PHOTOGRAPHS CATCH AERIAL THIEF AT WORK

The broad-winged black kites of Egypt, which belong to the same family as the eagles and hawks, are an always interesting sight in Cairo as they scavenge for food along the Nile River. But they put on their best show when they spy some unsuspecting outdoor diner at a meal. Life's Howard Sochurek caught the sly kites in this art by turning his camera on a fellow hotel guest who sat down to lunch on a private balcony outside his room. As the kites gathered and wheeled about overhead, Sochurek distracted the diner and one scavenger promptly swept down and deftly filched a whole roast chicken from his plate. But the early bird did not get the goodies, for the other kites swarmed around and forced the thief to share the loot.



**GATHERING (ABOVE)**, KITES CIRCLE







AS DINER SIPS COFFEE AS HE TURNS MOMENTARILY FROM TABLE, BOLDEST SWOOPS DOWN (BOTTOM, LEFT) MAKES OFF WITH ROAST CHICKEN (BOTTOM, RIGHT)





# T

ake nothing for granted from bath to bath. Give yourself into the safekeeping of Tussy Cream Deodorant. It does *all* the things you expect a deodorant to do. And—as a blend of beauty creams, it helps protect the delicate areas of your skin against acid damage. Helps prevent clothes damage, too. In the safekeeping of Tussy Cream Deodorant, as in every Tussy Deodorant, you can readily forget the very reasons for using it.



to be as lovely as you can be...

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Cream 50¢ and \$1... Stick \$1... Spray \$1... Prices plus tax. Soap, 3 cakes for \$1... Tax free. On Canadian counters, too.

RAWL HLB









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TREADS  
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THAN  
ONE**

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**GENERAL DUAL 90**

THE TIRE WITH TWO TREADS...SO STRONG IT WILL SAVE LIVES



An aerial photograph showing five B-52 bombers taxiing in formation on a runway. The planes are moving from the top left towards the bottom right. The runway is a light-colored, straight path cutting through a darker, textured landscape. The word "LIFE" is printed in large, white, sans-serif capital letters in the upper right corner of the image.

LIFE

AT START OF MISSION FIVE B-52s TAXI IN FORMATION TO TAKE-OFF POSITION. THE FIRST THIRD AND FOURTH PLANES COMPLETED FLIGHT AROUND THE WORLD

## A HISTORIC SHOW OF U.S. AIR POWER

# 52s SHRINK A WORLD

The five B-52 jet bombers taxiing along the runway at Castle Air Force Base near Merced, Calif., were off on a historic mission. They were going to prove that, if necessary, the U.S. Air Force can strike anywhere in the world and return to base. They were going to prove it in the only way possible—by flying nonstop around the world.

The 45 men inside the five planes had been told where they were going 28 hours before take-off time, but the mission really began with

**This article was written by Staff Writer Herbert Brean, aided by LIFE's West Coast staff and Military Correspondent Clay Blair.**

the "black light briefing." The crews assembled in a room. The doors were shut. An Air Force officer asked if the room was secure. A guard replied formally, "Yes, sir, the room is secure."

Then all lights were turned out and the men

saw only a map of the mission area with lines indicating main and alternate routes as well as other pertinent data. Everything was shown in luminescent paint and tape. The method was not for dramatic effect; it was to concentrate attention. This was important because what these men were about to do had never been done before.

They were not particularly impressed by the job's historic significance, even though the ground crews wished them luck with more





**ON THE FLIGHT** Lieut. Colonel James Morris, the commander of lead plane, sits in the pilot's seat. In

1949 he was copilot of propeller-driven B-50 which circled the world nonstop in 94 hours, one minute.



**TIRED CREW CHIEF**, Donovan Higginbotham, 23, slumps during flight for a smoke between periodic

## B-52s CONTINUED

than the usual fervor. B-52 crews had been doing similar missions for years. Flying around the world—even though they took the longest practicable route, only 577 miles less than the maximum circumference of 24,902 miles at the equator—was not very different from flying jets around the North Pole or around the U.S. It just took longer. It barely crossed the mind of Lieut. Colonel James H. Morris, commander of the lead plane, that he had done this once before, though not in a jet. He had been copilot on the B-50 *Lucky Lady II* which flew around the world nonstop in 1949.

At 1 p.m. on Wednesday, Jan. 16, Morris' Boeing B-52 left the ground—200 tons of heavy bomber capable of a speed of 650 mph and a range of 6,000 miles without refueling. The other four planes in the group quickly followed it into the air.

In plane No. 397 Captain Gerald A. Rusch went about his duties as navigator with a certain amount of excitement. Ninety minutes before take-off time his wife Miriam had given birth to a baby girl. In the same plane Major Salvador Felices was also concerned about his family. His young son had just been operated on for appendicitis. In plane 398 the navigator, Captain Michael Stevens, thought for a

moment of his sister in Saigon. Their route would take them near it.

In the tail of plane 397 Airman 1/C Eugene N. Preiss, the 21-year-old tail gunner, was nursing a wonderful idea. A tail gunner sits facing the rear, watching the jet streams and tail controls which the pilot cannot see and keeping an eye out for enemy aircraft. If he stayed in his position for the entire time, Preiss figured, and if the tail gunners on the other planes went up forward for a breather, he would become the first man in the world to fly around the world backward. He glanced at his food supply and the sketchy toilet facilities, then reached for his first paper-backed mystery novel. (He read three more before the flight ended.)

## Two planes drop out

For a short time after take-off the planes flew in formation. Then they strung out, moving diagonally northeast across the U.S. Over Labrador one of them developed mechanical difficulties and dropped out. Over Africa another plane swung north and went to England. This was according to plan for the plane had been intended only as a "spare" in case one of the three other planes developed trouble in the early part of the mission. The three remaining bombers—the lead plane commanded

by Morris, plane 397 commanded by Major George Kalebaugh and plane 398 commanded by Captain Charles Fink—flew on.

In the first dozen hours of the long B-52 training flights the crews usually joke with each other, even though they have to speak loudly to be heard above the air stream. The air pouring across the broad wings and around the fuselage makes a considerable noise, but because of high speed and the position of the wings the engine noise itself is swept away and scarcely noticed. This is fortunate. The B-52 is powered by eight 11,000-hp jet engines, each one the equivalent of seven railroad Diesel engines, and they produce an almost intolerable shriek. Ground crews have to wear protective ear gear to keep from being literally nauseated by the sound.

The strain of a long flight eventually wears down any interest in conversation. By the time the planes were over Africa everything was quiet except for the monotonous and interminable rush of the air stream.

But as day broke Thursday morning, Captain Cyril Dingwell, one of three navigators in plane 398, saw something exciting. Perhaps it was only the sun, but the Sahara Desert sand, stretching endlessly and glowing warmly red, seemed to be reflected as a reddish tinge on the underside of the plane. It was one of the most

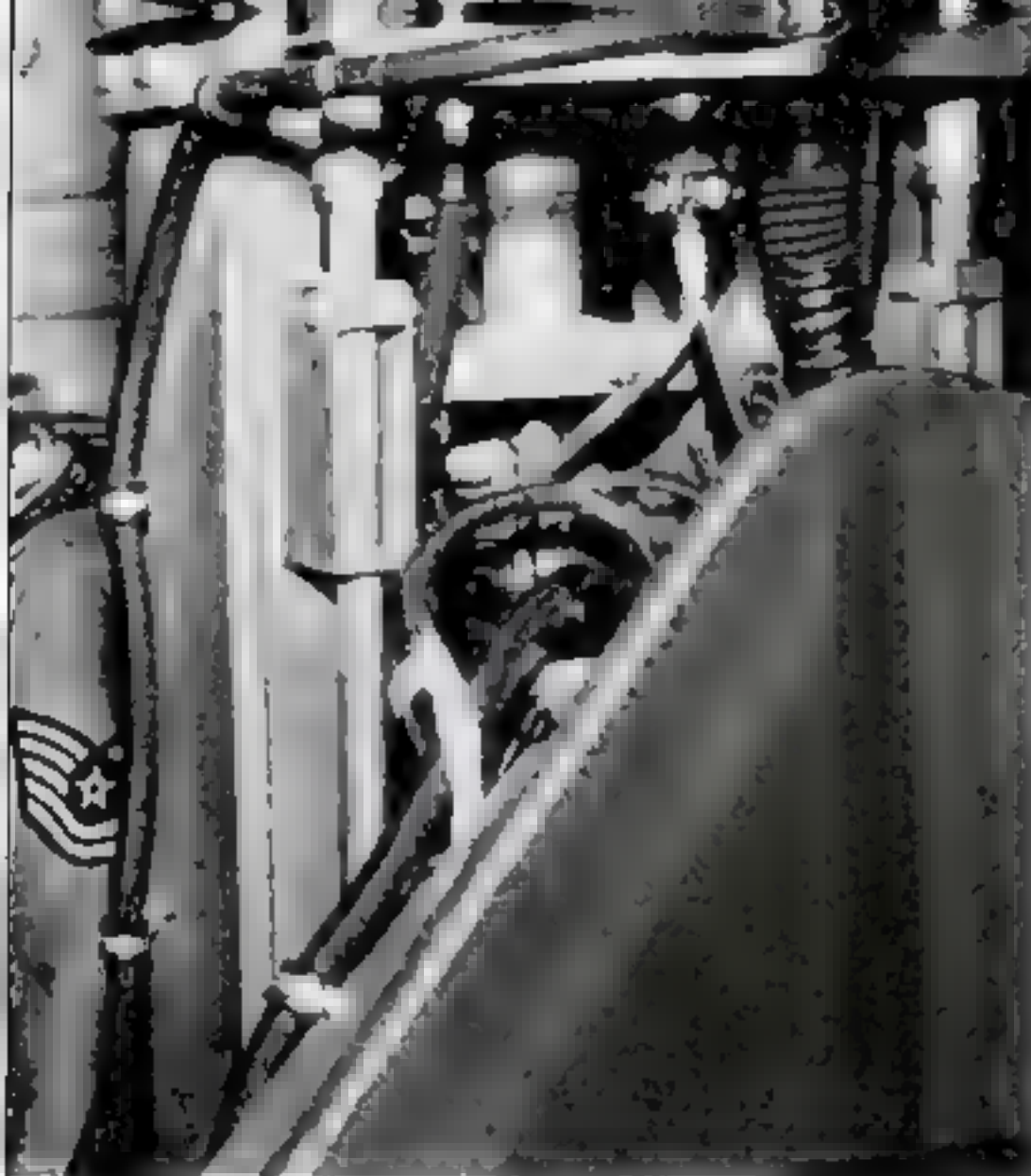


**WATCHING FORMATION**, Tail Gunner Carl Ballew keeps his left hand on the radar-controlled gun

right which also gives him a clear view of two other bombers which followed his plane around the world.







checks on his plane's oil and fuel pressure, and proper functioning of its engines and instruments.



**GRABBING A NAP.** Captain Quintis Hinkley, who is in charge of his plane's electronics equipment,

dozes briefly. He wears oxygen mask in case pressure in cabin fails and helmet for crash protection.

beautiful sights Dingwell had ever seen and he broke the silence to say so. The pilot, Lieut. Colonel Marcus Hill, snuffed. "Just like west Texas," he drawled, unimpressed.

The flying altitude is presumably a military secret, but B-52s cruise at from 35,000 to 50,000 feet, and the crew members did not see much except the empty upper air. Most of the time they were flying above the clouds and weather. They felt as if they were hanging in brilliant emptiness and the visibility was often well over 200 miles. As the flight schedule worked out, they were usually over water by day and over land by night. That did not bother them. B-52 crews are so used to flying out of sight of anything terrestrial that they have long since lost any tourist instincts. Mike Stevens did think, as they passed near Saigon, that it would be nice to drop in on his sister.

In the entire 24,325-mile flight they did not sight another plane at cruising altitude. All they saw were the refueling planes, the KC-97 tankers, that rose on schedule to feed them fuel at the rate of 600 gallons a minute.

For security reasons the Air Force will not say how often and at what points refueling took place. The planes of the Strategic Air Command have performed this operation thousands of times, but it is always a tricky maneuver. The B-52 pilot must fly up underneath the

slow-flying tanker, and the kerosene-gasoline fuel is piped into the bomber through a long boom. The B-52 pilot cannot see the fuel receptacle in his own plane but must follow the fueling process through a complicated system of warning lights on the tanker's belly.

Except for the refueling operations there was little to see. Captain Quintis L. Hinkley, a radar officer on the lead plane, sat in a windowless area behind the pilot and copilot and got only two daylight glimpses of anything—a desert which he cannot identify and a large ocean which he knew was the Pacific.

M/Sgt. Carl Ballew, tail gunner on the same plane, had more to look at. From his bubble-shaped turret he kept track of the two trailing planes and checked the jet streams of his own to make sure each engine was functioning properly. Since he did not share tail gunner Preiss' ambition, he wormed his way back to the main part of the cabin for a while.

#### Airborne obstacle course

That takes doing. The 100-foot passage between the tail gunner's position and the cabin is a narrow tunnel whose miniature catwalks and tiny square portals form an obstacle course even for an able-bodied young man. This passage is not pressurized, which means that at

cruising altitude a man trying to crawl through it must have extra oxygen or else he will black out in a few seconds. Ballew crawled through only during the low-altitude refuelings, but even then he needed gulps from a portable oxygen bottle.

Preiss, on the other hand, doggedly stayed where he was, warmed his food over his own hot plate and picked up another paper-back novel. The other crew members occupied themselves in various ways. No one in any of the planes really slept. The average per man was about three hours of dozing. As one crew member said, "You can't relax—the thing just goes too fast. Too many things on your mind, too much to watch, too much responsibility. You're always thinking of the next refueling or what you have to do next."

East of Ceylon the planes encountered turbulent air, the only "interesting" condition of the flight. They flew through it, watching static electricity spark brightly off the wing tips. One of the crew members in plane 398 had brought along some "for men only" magazines. These helped distract those who had a few moments for distraction. Captain Charles Fink, the commander of 398, had no time for magazines. He kept his eyes on the other planes, and on the great heterogeneity of dials and instruments arranged on three sides of the cockpit.

CONTINUED



← **MUNCHING AN APPLE.** Captain Michael Stevens shares navigation with Captain Edward Hollacher.

**FIGHTING SLEEP.** Majors Albert Wooten (right) and Anthony Dzierski keep their navigation charts.





A KC-97 TANKER IS PHOTOGRAPHED FROM A B-52 WHICH IT IS ABOUT TO REFUEL AFTER MAKING RENDEZVOUS OVER THE TANKER'S BASE IN NORTH AFRICA

## B-52s CONTINUED

There was plenty of food in the planes, but the men did not eat much. When a man stays in the same place hour after hour, he has little appetite. The crews had their choice of canned chicken, pork and bite-sized pieces of steak warmed in aluminum foil. But mostly they ate canned soup, fruit juices, apples and candy.

Captain Gerald Ruseh thought of his new baby daughter. A former resident of Saginaw, Mich., Ruseh is dedicated to the welfare of the

University of Michigan football team. Brooding about the fact that he already had two daughters before this one, he told another crew member: "I keep hoping for a lineman, but all I get is cheerleaders." Major Echols worried about his son (who, it turned out, was doing fine). Time passed and passengers grew weary from so much sitting—a chronic SAC affliction.

Since this was at least technically a training mission the planes conducted a simulated bomb drop some 50 miles west of the Malay

Peninsula. By now they were little more than halfway around the world and, with the passage of days and nights, they began to tire of an odd situation. They were scheduled to circle the world in less than 48 hours. But because they were flying eastward, they were rushing to reach the sun and were going through three abbreviated nights instead of two normal ones. Since they would cross the international date line, they would go back to the previous day and that, on paper, would straighten things out. But as time is reckoned by the sun, they



PLANES' ROUTE, skirting Communist countries, went over U.S. bases in Africa, Saudi Arabia, Philippines and Guam where tankers refueled them. A railroad in Malaya was target for simulated bomb.





## OTHER HISTORIC FLIGHTS AROUND THE WORLD

1924	Three U.S. Army Air Service biplanes from Seattle. 26,345 miles; 175-day tour (14 days, 15 hours flying time).	1938	Howard Hughes and crew of four men: 14,824 miles; 3 days, 19 hours, 8 minutes, 10 seconds
1929	German Graf Zeppelin: 31,011 miles; 20 days, 4 hours.	1947	Bill Odom and Milton Reynolds: 20,000 miles; 3 days, 6 hrs., 55 minutes.
1931	Wiley Post and Harold Gatty in "Winnie Mae": 15,474 miles; 8 days, 15 hours, 51 minutes.	1947	Bill Odom, solo: 19,645 miles; 3 days, one hour, 5 minutes.
1933	Wiley Post solo: 15,596 miles; 7 days, 18 hours, 49 minutes.	1949	U.S. Air Force B-50 "Lucky Lady II": 23,452 miles; nonstop, 3 days, 22 hours, one minute.

would, during these two days, live one night more than anyone else on earth.

Flashing across the Pacific on the last leg of the flight, the tired crews were now fighting off exhaustion. The navigators peered at their radarscopes until their eyeballs twitched. Communications men wearily kept track of the voice-radio instructions from SAC headquarters in Omaha. Pilots spelled each other at the controls. In his cramped and lonely position tail gunner Preiss, still facing backward, dozed but did not fall asleep.

### Last-minute short snorters

The last morning dawned two hours before they were due over the California coast. In the lead plane, which carried Major General Archie J. Old Jr., commander of the operation, crew men began passing around dollar bills to be autographed as short snorters. Everyone felt that the flight was almost over. When the long line of the California coast finally appeared on the horizon, someone yelled an exultant, "Land, ho!"

A few minutes later they were over the nubby hills and in sight of the jagged, snow-streaked mountains. Because Castle Air Force Base, their take-off point, was socked in by heavy fog, the three planes had been ordered to land at March Air Force Base, 60 miles east of Los Angeles. At 10:13 a.m. they swept over the field in formation, pluming black smoke. Looking down on the apron, they saw the crowd.

The planes landed a minute apart and 27 men climbed down to earth after a flight of 45 hours 19 minutes. Tail gunner Preiss got out through the rear hatch and, with cramped steps, walked away from the great plane. He had not seen anyone for a long time but he felt

that it was worth it. He had done something that made him different from the other 26 men who had merely flown their B-52s around the world non-stop.

To their surprise the crew members found that General Curtis LeMay, head of Strategic Air Command, was there to greet them. And that wasn't all. While a 30-piece band played in the bright California sunlight, General LeMay stepped forward and pinned on each crew member a Distinguished Flying Cross, the nation's highest decoration for achievement in aviation. Out of the corners of their eyes some of the men saw their families, whom the Air Force had brought down for the ceremony. Carl Ballew saw his wife Sylvia and his two boys, both of them hopping around like Indians. Donovan Higginbotham, crew chief on the lead plane, saw his wife Annabelle holding their 3-month-old son Michael in her arms.

Exhausted though they were, the 27 men sat through a press conference, but General LeMay handled most of the questions for them. He said that this was just a routine training mission, and someone asked irreverently if Distinguished Flying Crosses were usually awarded after routine training missions.

The crews had coffee and in some hands the cups were shaking. The men went through a "de-briefing" session where they reported on the mission. After a light lunch they unloaded their planes, and then at last they were free to get some sleep. At 4 o'clock in the afternoon, just before he dropped off, Major Anthony P. Dzierski managed to figure out that he had been awake since 7 a.m. Wednesday—57 tense, busy hours. It had taken Magellan's crew three whole years to circle the world, and Magellan himself never made it. Major Dzierski had made it. He went to sleep.



**BACKWARD CIRCUMNAVIGATOR** Eugene Preiss straightens up for first time in two days as he jumps from cramped gunner's position in tail, proud of being first man to fly around the world backward

**THE FLIGHT ENDS** as the lead plane lands in California, using a drag chute on its tail, as a brake. The second and third planes (left and center, back ground) follow it in precise one-minute intervals



B-52s CONTINUED

# GREAT ODYSSEY'S WEARY END IN KISSES, MEDALS AND SLEEP



**SMILING FLIGHT COMMANDER**, Major General Archie Old Jr. pokes head from cockpit moments

after parking B-52 and shutting engine. Old did not fly plane on mission but took controls during landing.



**STERN SAC COMMANDER**, General Curtis LeMay, plus Disistinguished Flying Cross on Guam in April. Dingwell, LeMay sat out rest of flight in his Q and read parts. Flew to March for landing ceremonies.

**KISSING WIVES** meet globe-circling husbands at flight's end. All of the wives thought airman were on a routine mission until Air Force flew them to March AFB a few hours before historic landing.



**AT FLIGHT'S END** Archie Old Jr. (right) and pilot. Latter just before takeoff, with 15 pilots and 200



(AP/Wide World)





**EXHAUSTED NAVIGATOR.** Captain Dingwell, rubs eyes tired by radar as bus takes him to barracks.



**COLLAPSED CAPTAIN.** Quanta Huxley slept briefly on plane (p. 28) naps on the bus to barracks.



**DAZED OFFICER.** Major Anthony Dzuski, downs a beer before crawling into bed after ceremonies.





# A CRISIS IN SCIENCE

## NEW ENIGMAS IN PHYSICS REVIVE QUESTS IN METAPHYSICS

### DOUBLE, DOUBLE, VORPAL BURBLES

Psychoanalyst Sigmund Freud suggested, and James Joyce in his writings later tried to prove, that our wellsprings of wit and humor lie within the subconscious and are constantly surfacing in the form of unconscious puns. Over in Scotland, Edwin Morgan, lecturer in English at Glasgow University, now comes up with new evidence that this is true.

Part of Morgan's duty is to mark entrance examinations. He has assembled and published (in *Twentieth Century*) some hundred school-boy howlers, such as:

"Bassanio was in need of money to go and press his suit."

"Burns . . . likened many of his subjects unto flowers, who blomb and are forgotten."

"The Americans are a people of English dissent."

About the third, Morgan comments: "The use of dissent is particularly nice because it is both historically true . . . and an up-to-date commentary on the natural differences today between American and English opinion. It is a double pun and almost deserves an extra mark."

Are such mistakes accidental? Morgan believes that the requisite elements for word play must be in the individual's mind. He adds, "many a demagogue thinks of himself as a demigod. . . ." We live in a world of double meanings. Growing children, who can take this ambivalence for granted, are better equipped to express it unconsciously than adults are. Everyone knows some child or other who could prove this: the one who, reading a story aloud, stated that "the princess married a principal"; or the one in H. Allen Smith's current joke book (*Write Me a Poem, Baby*) who informed his parents that the food at school was "so bad I have gnawsher all the time."

We suggest that these "vorpal burblings," as Morgan calls them, are worth collecting for two reasons. Their errors are luminous and cast light in dark psychological places. But also they could introduce some badly needed standards into the whole lax field of Bright Sayings of Children. New rules, parents: if it hasn't two meanings, keep it to yourself.

As science faces the International Geophysical Year, and prepares to launch the first man-made moon, its own rate of progress seems to be shifting gears into high. In the last decade the amount of scientific effort and achievement has more than doubled; it is rising on such a vertical curve that scientists themselves are beginning to worry about their relationship to society. At the recent meeting of the American Association for the Advancement of Science there was sober talk of scientists abandoning their traditional "impartiality" toward the effects of their discoveries and of providing professional guidance to society on how to control the revolutionary potentials science is creating. Yet, as the scientist seeks to step out of his neutrality, the conditions within science itself are changing so fast as to baffle its practitioners.

Only last week experiments announced at Columbia University destroyed a principle (that of parity) which for 30 years had been a cornerstone of submicroscopic physics (see pages 59, 60). Physicists say this supports the possibility that there may be distant galaxies whose atomic structure is just the reverse of ours and that "matter" as we know it has an opposite "anti-matter."

In this last explosive decade of science the volume of "known" space itself has been enlarged 50 times. The Sky Map completed after seven years with the Big Schmidt telescope at Palomar has penetrated one billion light years of space to photograph entire systems of millions upon millions of galaxies—each containing hundreds of billions of stars like our sun—never before seen. One recent experiment, subjecting methane, ammonia, water and hydrogen to artificial lightning, produced four amino acids essential to creating protein and therefore to life, reviving the ancient argument for the "spontaneous generation" of life. And since everything in this cosmos, living or dead, appears to be composed of the same basic stuff of hydrogen ions, some scientists are arguing the logical likelihood of life of some sort on other planets, perhaps even on millions of planets. In the headiness of today's speculation there is even concrete planning of a space vehicle which could inspect such planets, achieving almost the speed of light by shooting incredibly concentrated beams of light (photons) from its tail.

Yet the swifter scientific knowledge expands, the vaster are the areas of ignorance that seem to open. The powerful new atom smashers have been knocking out of the atom new particles (known as "strange" particles) whose existence no theory had predicted and whose actions seemed inexplicable, presenting what Robert Oppenheimer

calls "vast jumbles of new numbers, all with an insulting lack of obvious meaning."

It may be that science is on the threshold of a major breakthrough to a new unifying theory, like that of Copernicus in his day, Newton in his, or Einstein in our own. But each time such a theory comes along, subsequent exceptions (like the "strange" particles) prove its limitations. Moreover, as Oppenheimer has also remarked, such concepts as "thought" and "will" are likely to remain as far as ever beyond the reach of physiochemical description. The more science progresses, the less does it promise us a theory of the ultimate nature of the universe, still less of the meaning of life.

From the present chaos of science's conceptual universe two facts about it strike the layman as significant. One is that old-fashioned materialism is now even more old-fashioned. Its basic assumption—that the only "reality" is that which occupies space and has mass—is irrelevant to an age which has proved that matter is interchangeable with energy.

Second conclusion is that old-fashioned metaphysics, so far from being irrelevant to an age of science, is science's indispensable complement for a full view of life. Physicists acknowledge as much; a current *Martin* advertisement says their rocket men's shop talk includes "the physics (and metaphysics)" of their work. Metaphysical speculation is becoming fashionable again. Set free of materialism, metaphysics could well become man's chief preoccupation of the next century and may even yield a worldwide working consensus on the nature of life and the universe. This metaphysical quest must of course be compatible with the latest proven truths of science, and it is one in which scientists can be useful—but it is not confined to them. It is also a quest for philosophers and laymen and all who feel the challenge of eternal mystery.

One layman currently exercising his right to speculate is the critic and nature essayist Joseph Wood Krutch. In his reflective new book *The Great Chain of Life* Krutch observes, "If it really is true that [man] is merely the inevitable culmination of an improbable chemical reaction . . . then the fact that he has been able . . . to trace himself back to it is remarkable. . . . That chemicals which are 'merely material' should come to understand their own nature is a staggering supposition. It is also a preposterous one?" Man is now as free as before to suppose that, inside the whirling cosmos of the invisible atom as in the massive spirals of the countless nebulae in endless space, there is an Order and Purpose as was believed of old—only incredibly vaster.





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# A LOOK AT THE WORLD'S WEEK



## A WARM WELCOME

Ingrid Bergman, in the U.S. briefly to accept a film award after almost eight years of self-imposed exile in Europe, received a warm welcome when a fan club turned out for her arrival at a New York airport. Although there had been wide U.S. criticism following her marriage to Roberto Rossellini, she now found a very friendly greeting wherever she went. "I feel fine," said Ingrid, who also looked fine.

## A DESPERATE DROP

In a moment of unspeakable anguish Mrs. Jacqueline Hubbard watched from her sixth-floor apartment as her three-year-old daughter Diane fell straddle-legged through the air. Dense smoke from a fire in their Fairbanks, Alaska apartment house left Mrs. Hubbard with one chance to save her child: drop her into a fireman's net. Diane landed unhurt. Her mother, leaping out after her, suffered a broken back.







### A CHURCH FIRE'S ICY FINISH

The winter's coldest wave hit the northeastern U.S., bringing distress and discomfort to millions and an insuperable problem to firemen of Syracuse, N.Y. As the thermometer dropped to

20° below zero, they struggled for more than 12 hours to put out a fire in the First Methodist Church. But the water froze solid on the walls, leaving the building an icy, burned-out shell.







### ANTIQUATED CORTEGE

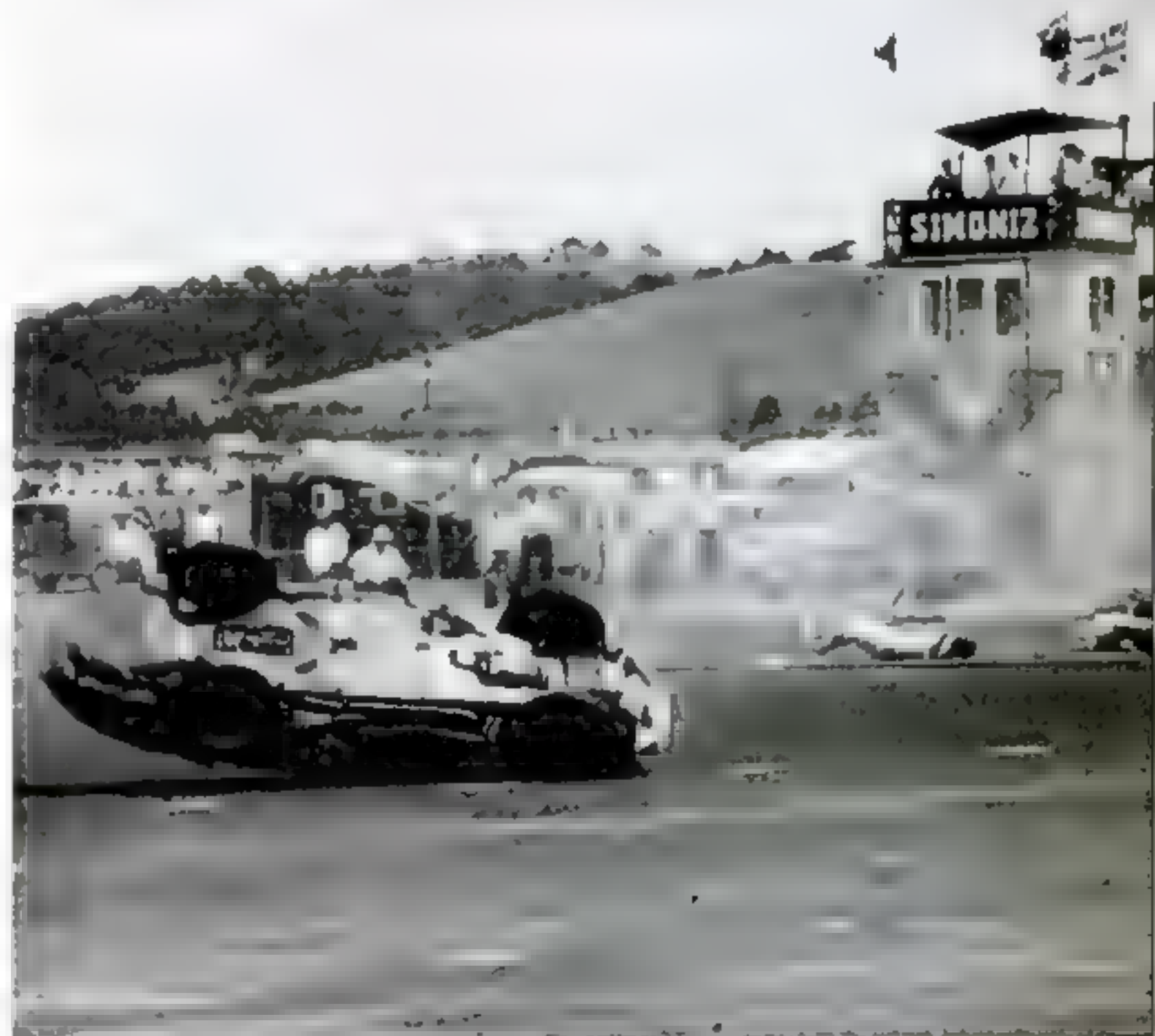
Near Pottstown, Pa. last week the horse and buggy ruled the road once more. The cortege of carriages bore 800 members of the Amish sect, who are forbidden such modern vehicles as autos. Mourners, they were going to the funeral of 89-year-old Mrs. Malinda Stoltzfus.

### DEATH FOR A DRIVER→

In Auckland, New Zealand Sports Car Driver Ken Wharton lay sprawled on his back and his Ferrari rolled aimlessly over on its side. Passing another car, Wharton's car had veered out of control, turned end over end. Taken to a hospital, Wharton died an hour and a half later.

### DEFENDANTS IN DAMASCUS

A group of sad-faced men in Damascus showed that Syria, which eagerly accepted aid from Russia, is adopting the Communist technique of the mass treason trial. Forty-seven Syrians were being tried of conspiring with Western countries to overthrow the government.







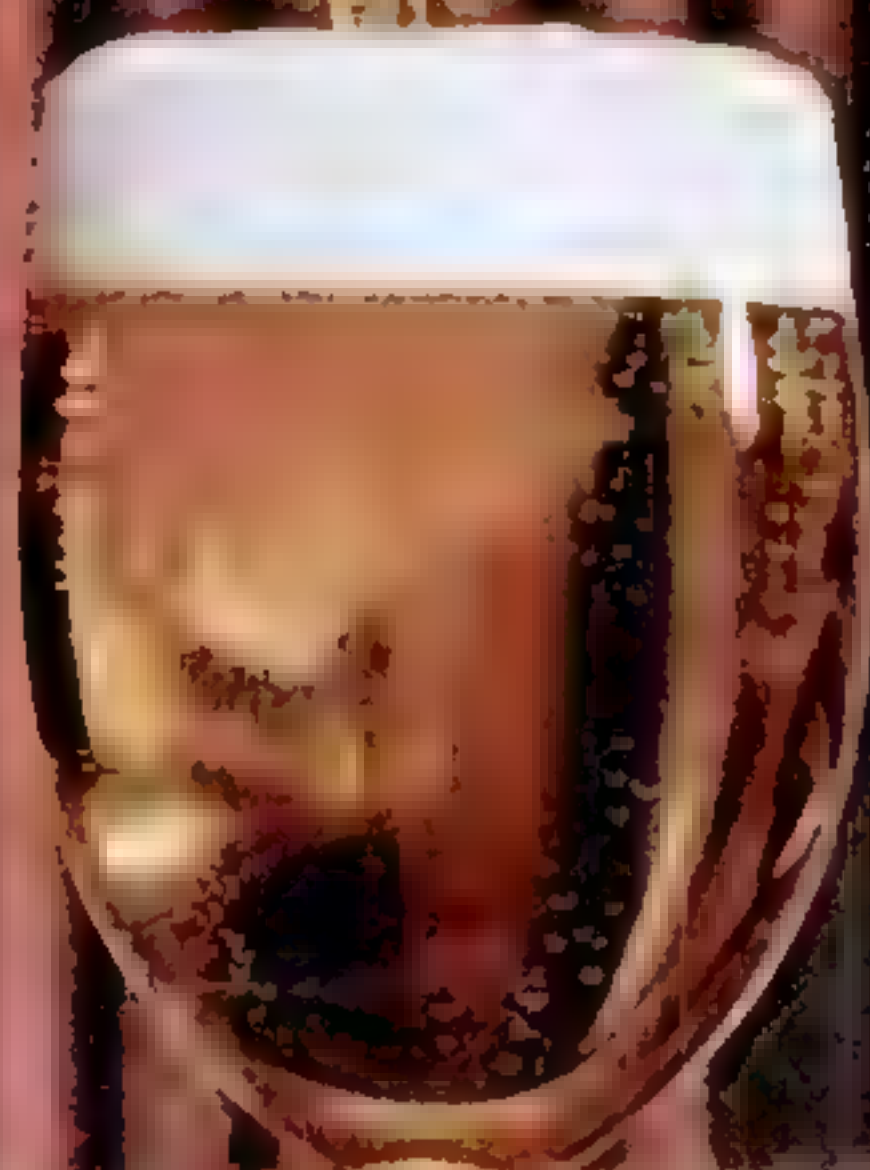
### A STRANGE SEA CHANGE AT SUEZ

When the salvagers at Suez hauled up a tug which had been scuttled in Port Said harbor by the Egyptians during the British and French attack on the canal, they found that her clean hull and neat cabins had suffered an odd sea change. From her decks and walls during the two months while

she lay on the bottom of the harbor had grown a thick fur of marine organisms that flourish in the warm Suez waters—and now her pilot house looked more like a fairy-tale cavern than anything else. A Dutch salvager, inspecting the tug, hardly recognized her wheel under its heavy coating.



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BY THE WAY, it's interesting to know that Budweiser lists its ingredients on the label. Do you know of any other beer that does?

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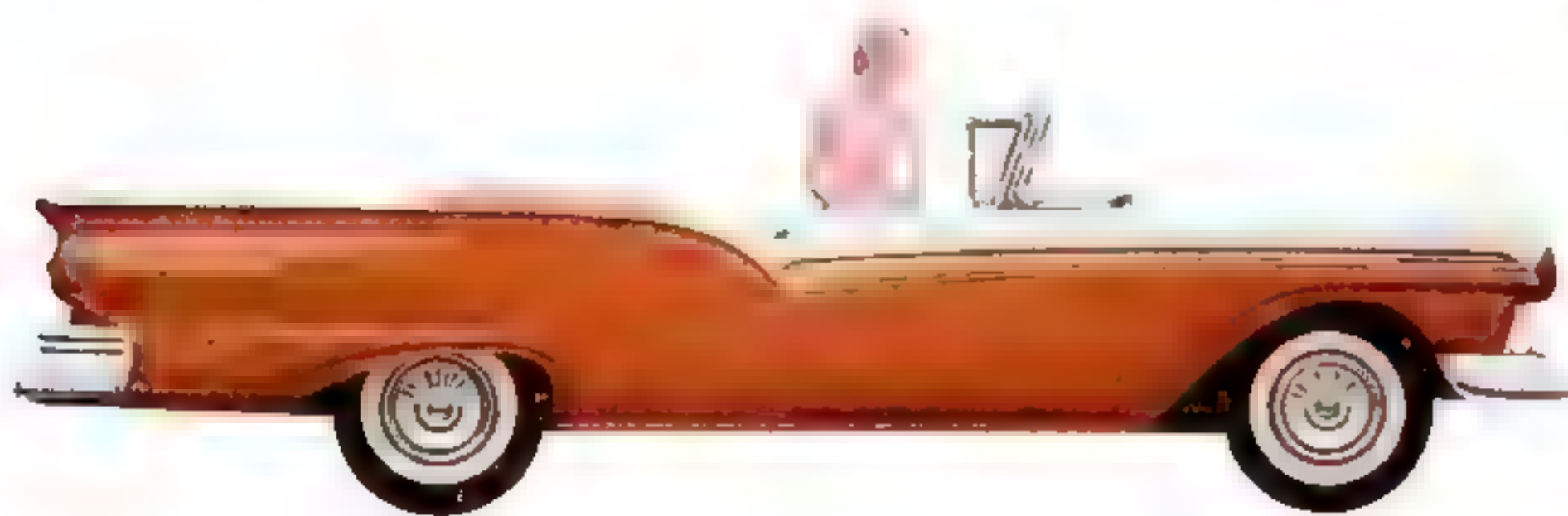
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# FORD



The Fairlane 500 Sunliner: 17 feet of beauty wrapped around power.

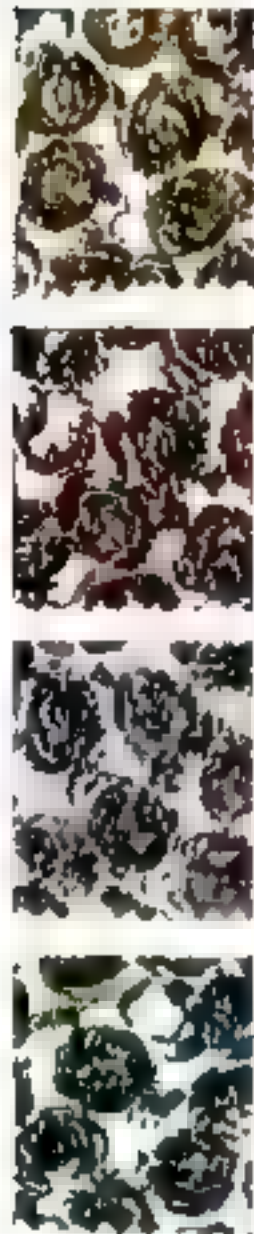






# BURLINGTON SHOWCASE

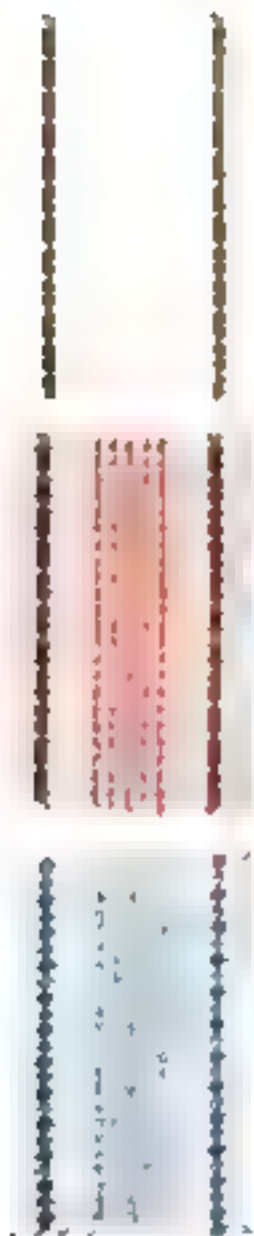
SPOTLIGHTING FASHIONS IN BURLINGTON FABRICS...ON SHOW NOW IN FINE STORES



**Lead in fashion** wherever you go when you wear the flying panel sheath with contour belt, made of Burlington's printed Nysila, a hand washable acetate and nylon fabric that's soft as a breeze, comes in 20 different patterns and a multitude of color combinations. Simplicity pattern #1881.



**Play in fashion** in this one-piece play suit with separate shirt of Burlington's Santiago, a richly textured fabric of rayon and cotton that's washable and comes in 27 exciting colors. There's fashion now in the high front neckline and gracefully dipped back. McCall pattern #3919.



**Double in fashion** when you and your daughter wear shirtwaists of Mooreville's all-combed, washable Melody cotton. Choose from 50 fabric styles, make your dresses from McCall patterns (mother's, #3917; daughter's, #3934) . . . then you can relax; Melody is a wash-and-wear cotton.



**Live in fashion** every minute of the day in the sheath plus coat. The sheath, with new draped neckline in Galey & Lord's no-iron Shagbark combed cotton plaid. The coat of Burlington's Santiago, washable rayon and cotton that looks like Italian linen. The pattern, Simplicity #1906.



## Dream up any Dress in the World AND HAVE A WONDERFUL DAY IN THE MAKING

No dress like it in the world, the dress you make yourself! That's because you choose the pattern . . . you pick the fabric that makes it uniquely yours.

But sewing with Burlington fabrics is more than just the fun of sewing fashion. It's the satisfaction of knowing that these are quality fabrics, worth every single stitch you put into them. The famous

Burlington Triangle guarantees that.

Little wonder that fabrics backed by Burlington, the world's largest producers of fabrics and hosiery, are woven into the life of America. See them at good stores everywhere.

If you can't find the fabric you want, write Burlington Industries, 1430 Broadway, New York 18, N. Y.



WOVEN INTO THE LIFE OF AMERICA

**BURLINGTON INDUSTRIES, INC.**  
1430 Broadway, New York 18, N. Y.

Member Companies: BURLINGTON MILLS  
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ELY & WALKER • BURLINGTON RIBBONS  
BURLINGTON DECORATIVE FABRICS  
PACIFIC MILLS • GOODALL VINYL FABRICS  
PEERLESS WOOLENS • HESS, GOLDSMITH  
RAEFORD WORSTEDS • KLOPMAN MILLS, INC.





ON ARRIVAL AT WARSAW AIRPORT CHINA'S CHOU EN-LAI AND POLISH PREMIER JOZEF CYRANKIEWICZ REVIEW THE CRACK KOSCIUSKO REGIMENT HONOR GUARD

## A SUPER SALESMAN FOR THE STALINIST LINE

China's ambitious Chou En-lai helps pass the word to the satellite countries: Moscow is still boss

China's ambitious Premier Chou En-lai, fastest rising power in the world's quivering Communist hierarchy, was on the road last week with a Stalinist pitch for the Soviet's satellites. Operating out of Moscow in a Soviet jet, he visited Poland and Hungary. In Budapest he had no difficulty with Puppet Janos Kadar (*below*). But in Poland he faced a government which has openly argued with Moscow and made bold moves toward independence (*LIFE*, Jan. 14). Here Chou delivered his hardest sell against a background of approaching elections which would test Gomulka's popular backing. His demand: Poland must support solidarity of all Communist nations behind Soviet leadership.



IN BUDAPEST Chou (*left*) was welcomed at airport by Premier Janos Kadar. Center is Chinese aide.



GIVING THE WORD to Gomulka after a dinner, Chou emphasizes point with characteristic gesture.

CONTINUED





**TRIO OF TOASTS** begins with Chou at a formal reception in Warsaw proposing he and Gomulka



drink to the Soviet Union's leadership in the Communist world. Then he and Actress Nina Andrycz

(*LIFE*, Jan. 14), wife of Poland's Premier Cyrankiewicz, drink toasts to each other. Finally at a party

## ROUND OF TOASTS ENDS WITH A TOUGH PACT

Like most good salesmen, Chou cloaked his approach in affability. "The Polish nation may always count on the support of the Chinese nation," he told the Poles as he made the rounds. His visit came to an end with the signing of a mutual declaration in which the Poles gave more than they wanted to give but still less than they feared they would have to. All euphemisms brushed aside, the declaration called

for Polish acceptance of Soviet primacy. However it partially mollified the Poles by stressing the equality and individual sovereignty of the satellites.

Back in Moscow, Chou's high status was further emphasized when he signed a pledge with Premier Nikolai Bulganin promising opposition to any "aggression" which might arise from the Eisenhower proposals for the Mideast.



**SOLEMN CHOU** hears Gomulka stress full "equality." Man behind Gomulka is General Spychalski.

**WAVING CHOU** is greeted by millworkers and passers-by outside the "Fighters' Factory" in Lodz. →







given Chou by millworkers in the industrial city of Lodz, he and a factory manager drink bottoms up.



**DECLARATION OF DEPENDENCE**, which was tacit acknowledgment of Soviet leadership in world

Communist affairs, is signed with Chinese brush by Chou while Premier Cyrankiewicz awaits his turn.





# AT BOGART'S DEATH

## A EULOGY FOR A TOUGH GUY

Humphrey Bogart, who for 23 years had tugged at his ear lobe and smiled his spare, tough smile in scores of memorable movies, died of throat cancer last week at the age of 57. In the eulogy he gave at the funeral in Beverly Hills, Director John Huston revealed the courage of the man whose trademark was cynical toughness by telling of Bogart's last days.

"He would lie on his couch upstairs," said Huston, "until 5 o'clock when he would be shaved and groomed in gray flannels and scarlet smoking jacket. Then, as he was no longer able to walk, his emaciated body would be lifted into a wheelchair and pushed to a dumbwaiter on the second-floor landing. The top of the dumbwaiter had been removed to give him head room. His nurses would help him in and, sitting on a little stool, he would be lowered down to the kitchen where another transfer

would be made, and again by wheelchair he'd be transported through the house into the library and his chair. There he would be, sherry glass in one hand and cigaret in the other, at 5:30 when the guests would start to arrive. They were limited now to those who had known him best and longest; and they stayed, two and three at a time, for a half hour or so until 8 o'clock which was the time for him to go back upstairs by the same means he had descended."

But Bogart's life had been full. He had made a great deal of money, his marriage to Lauren Bacall was a happy one. He was highly respected in the acting trade. In Hollywood, where pretentiousness is an occupational disease, his sardonic humor, his refusal to be impressed by himself or anyone else had a bracing effect. He managed to elevate his own world by cutting it down to reasonable size.



**LEAVING FUNERAL**, widow Lauren Bacall tries to comfort son Stephen. Daughter Lisa is also present.



**BABY BOGIE** was depicted as cherubic Cornwallus by his mother, illustrator Maud Humphrey. Below, Bogart poses manfully for picture at 2 years old.



**OSCAR WINNER** Bogart is shown here in his 1952 Academy Award role from *The African Queen*, which was directed by eulogist John Huston. For

seven straight years Bogart was one of the 10 top moneymakers in Hollywood. His last film before his illness was the 1956 release, *The Harder They Fall*.





**“Every day is worth celebrating with real Italian-style ravioli!”**



AREZZO REENACTS the ancient battle with the Saracens. And your family will battle for more Chef Boy-Ar-Dee real Italian-style Ravioli every time. It's so quick—and good!



Traditional as this festival at Arezzo...the serving of ravioli at the feast. But you don't have to wait for an occasion to serve this savory, satisfying dish. You can serve Chef Boy-Ar-Dee real Italian-style Ravioli any time.

You'll find your family and your guests will eat it up... and come back for more. And a steaming plate of this ravioli brightens up your table because it looks as good as it tastes.

For Chef Boy-Ar-Dee Ravioli is made to tempt appetites—by a Chef who knows the secrets of fine Italian cooking. Tiny macaroni pies filled with tender beef are simmered for hours in a rich red sauce made from ripe tomatoes and juicy beef... then seasoned with tangy Italian spices.

It takes many days to make ravioli like this. But it's ready in minutes for you! Just open up a can of Chef Boy-Ar-Dee real Italian-style Ravioli... heat and serve—for lunch, for dinner... at parties or after an evening with friends. More good news, it costs just about 14¢ a serving!



real Italian-style  
**CHEF BOY-AR-DEE®**  
**Ravioli**



# Pontiac's turning a trend into a Stampede!\*



Tie onto this one and you've roped the year's most spirited combination of style and stamina. From the day it was announced, the '57 Pontiac has had "hit" written all over it. And why not? One look tells you that Pontiac's exclusive Star Flight body design has brought a design trend to its greatest refinement . . . crisp, fresh, "let's go" lines of built-in beauty instead of hung-on flares and frills. A single mile in charge of its new 347-cu.-in. Strato-Streak V-8 has you saying that here's the road's most brilliant and nimble performer. All in all, Pontiac has corralled more than six dozen "firsts". And this easy-handling honey comes to you proved and perfected by a 100,000-Mile Marathon Test Run that would thoroughly exhaust many another car. Come in and drive it—and discover the reason for the big rush to Pontiac.

SEE YOUR PONTIAC DEALER

AMERICA'S NUMBER 1  
ROAD CAR!



PROVED BY 100,000 MILES OF RUGGED ROAD TESTS



## EDUCATION

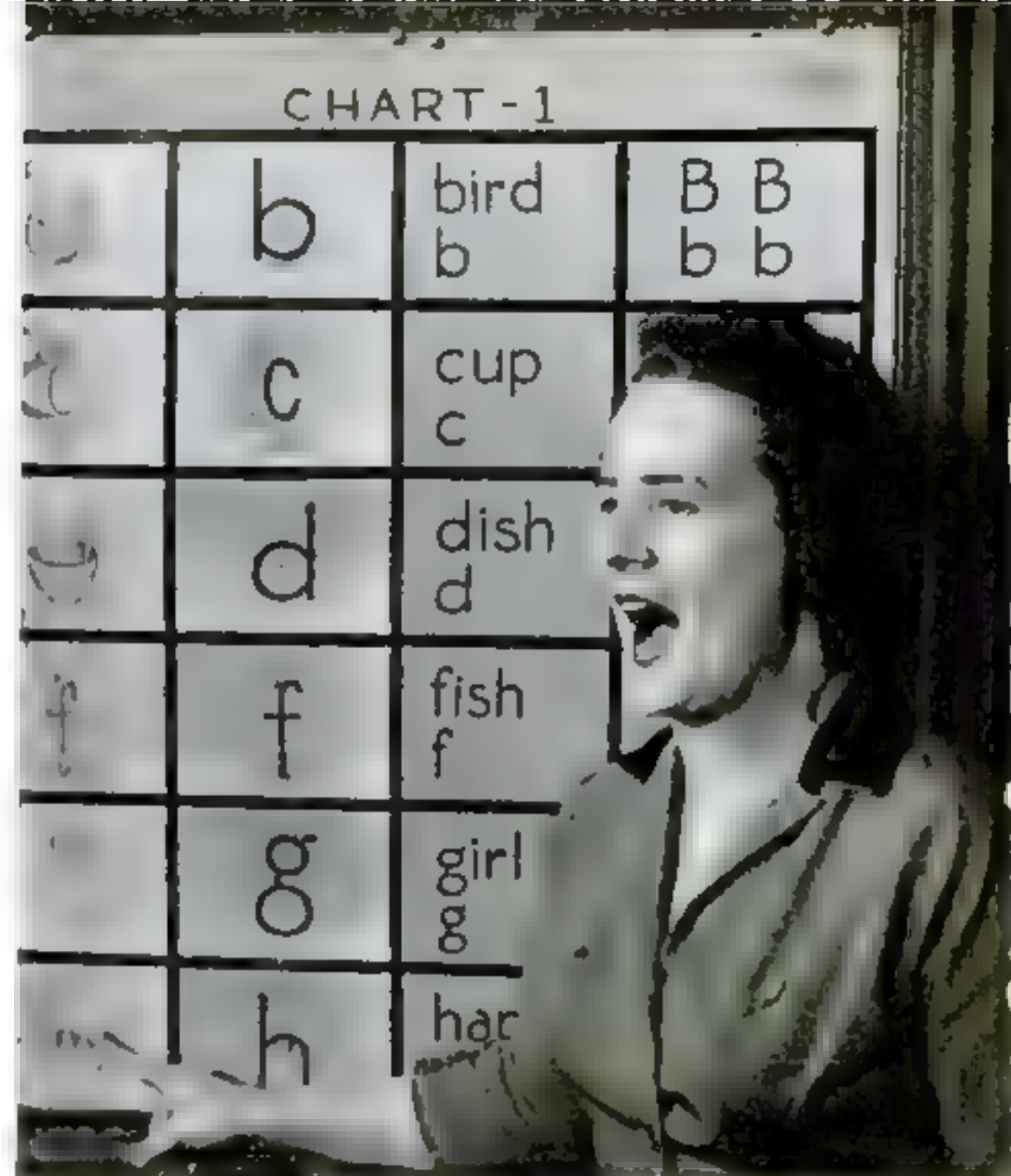
# A Big Lift for Illiterates

### MEMPHIS TV HELPS ADULTS READ AND WRITE

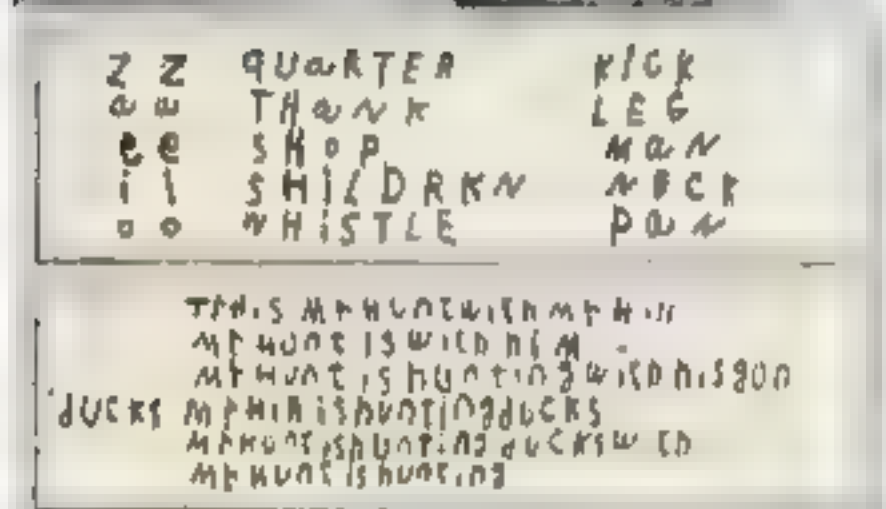


Entering a reading center, a man asked hesitantly, "Is this where they're gonna teach them that don't know nothing?" Oscar Blaine, 33 and illiterate, was taking an opportunity to learn to read and write offered to 57,000 adult illiterates in the Memphis, Tenn. area.

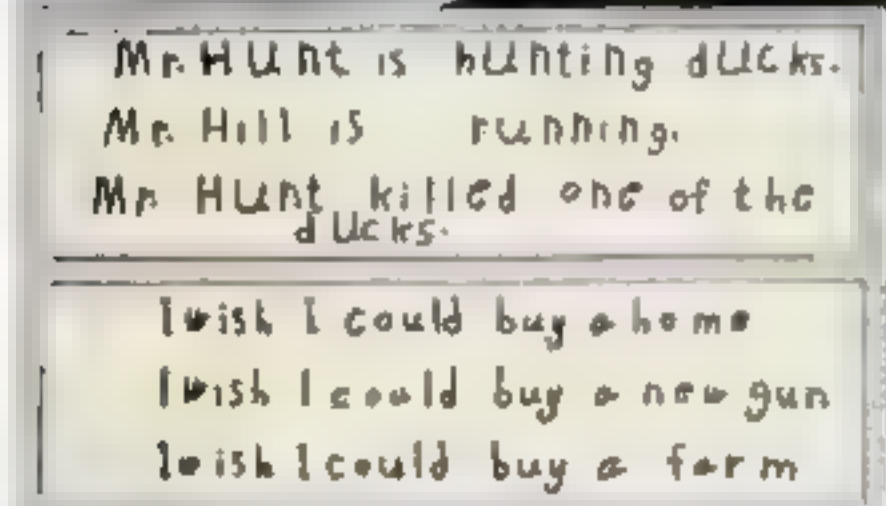
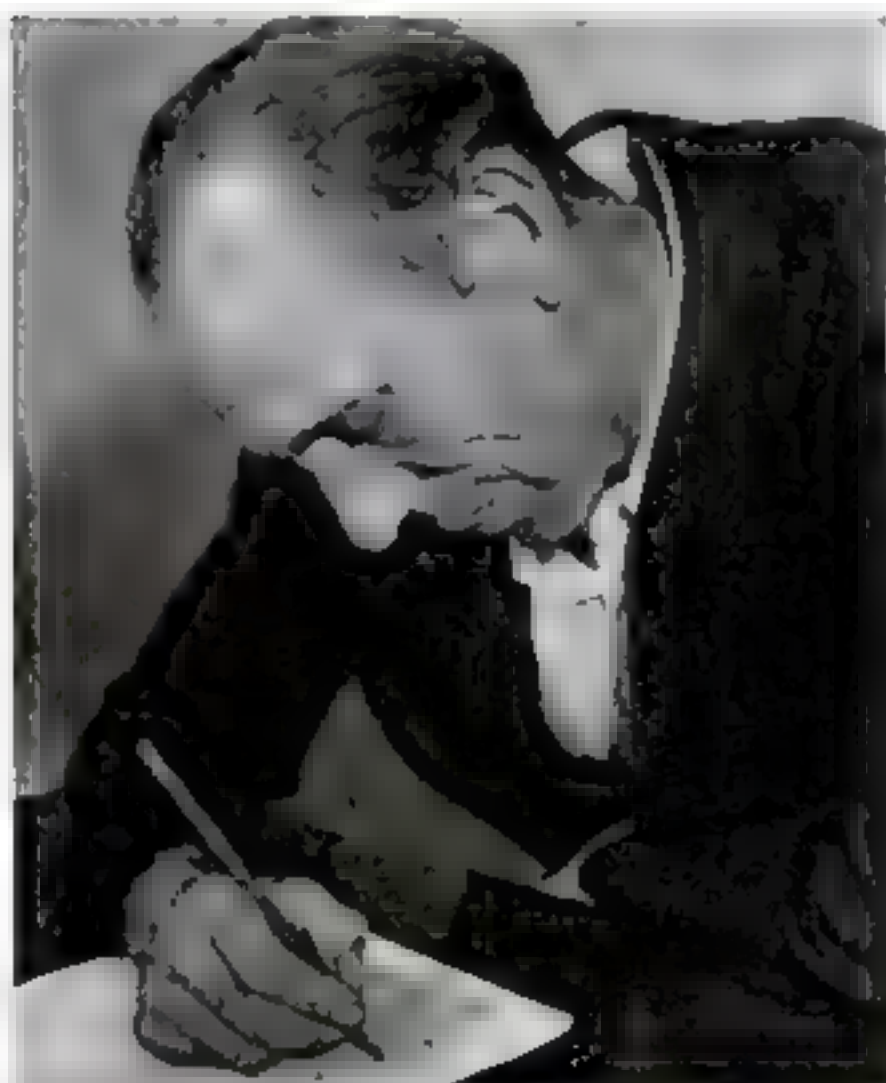
Today Blaine (below) and hundreds like him are becoming literate people thanks to a unique TV show. Produced by WKNO-TV, the 18-week program uses the methods of Dr. Frank C. Laubach, who has combatted illiteracy around the world (LIFE, April 11, 1949). To help students with their lessons, 34 TV-equipped reading centers have been set up. More than 750 adults have enrolled and many more study on their own. How well they are coming along can be judged by comparing the early and recent writing samples of students shown on this page.



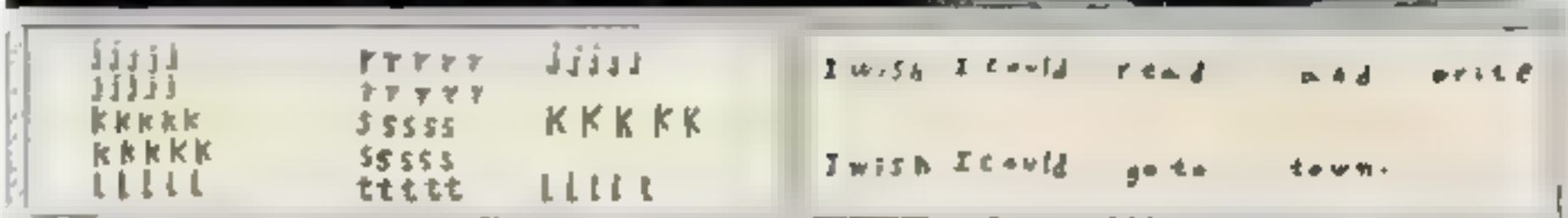
TV TEACHER Ruth Knowlton uses chart planned by Dr. Laubach that connects objects, letters, words.



**SURVEYOR'S HELPER** L. P. Baker, 36, works for city, does homework during lunch. Before course he could barely write name, memorized numbers for work. Top sample is early writing, lower is recent.



**MAINTENANCE MAN** Oscar Elam bites tongue as he practices his writing lesson in a reading center. Elam was persuaded to take course by his boss: "He told me that you are never too old to learn."



**DISCARDED RITUAL** of illiterates, "touching of the pen," is demonstrated by Oscar Blaine and wife. Before course Mrs. Blaine would write husband's name while he touched the pen. Blaine was upset

by his illiteracy because 7-year-old son could read and he could not. Though Blaine started lessons by practicing letters (left), students are primarily concerned with writing words and sentences, as at right.





# WINTER CARNIVAL

Of 3 sunshine-bright dessert ideas—

Want to put summer sunshine in your wintertime desserts? It's easy with cling peaches. Clings are as brilliant as the sun that ripened them. Clings taste so juicy, summer-sweet. Watch for them when you shop — each can is marked "cling" on the label.

*Cling Peach Advisory Board*



CANNED  
**Cling Peaches**  
FROM CALIFORNIA

For these three quick and easy winter party desserts you'll need cling peaches and Reddi-wip,\* Betty Crocker® Homogenized Pie Crust Mix, Bisquick,\* and Betty Crocker® Angel Food Mix.

\* REGISTERED TRADE NAMES



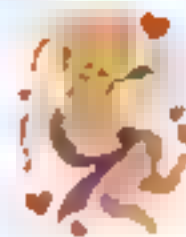
## WINTER CARNIVAL PEACH SHORTCAKE

with sliced cling peaches,  
Reddi-wip, Bisquick

Serve your guests wonderful, summertime shortcake, golden and luscious with cling peaches. Make the tender biscuits as the Bisquick package directs. Then split, fill and top each one with juicy-sweet cling slices. At serving time, add Reddi-wip, the cream that whips itself.







### WINTER CARNIVAL PEACH ANGEL

with cling-peach halves,  
Betty Crocker Angel Food Mix,  
Reddi-wip

Make a melt in your-mouth cake from Betty Crocker Angel Food Mix. At serving time fluff Reddi-wip on each slice and add two golden cling-peach halves. Only clings are so tempting, so beautifully shaped and brilliant. Only clings are so perfect for your show-off desserts!



### WINTER CARNIVAL PEACH PIE

with sliced cling peaches,  
Betty Crocker Homogenized  
Pie Crust Mix

Bake a luscious pie with sunny cling peaches inside and a flaky crust outside. Betty Crocker guarantees you'll have a perfect crust. And clings taste so summery and lightly sweet and rich in a pie. Clings keep their shape through baking, too, make a tempting pie to see.



# Celebrities' Hot Seat

BLUNT QUERIES MAKE 'NIGHTBEAT' EXCITING

The guests who accept bids to come into Station WABD's *Nightbeat* studio in New York to answer a few questions find themselves squirming in the hottest seat on television. When they face their stern-faced interviewer, Mike Wallace (left), they can count on having some of their enthusiasms and animosities closely examined—as was the case with Al Morgan (below), author of *The Great Man*, a novel about the unsavory private life of a television idol, which has just been made into a movie. This month 38-year-old Wallace accepted an ABC offer for at least \$100,000 a year. When he starts there, TV viewers all over the country will see and hear guests and exchanges like those set down on the following pages.





# Quick...

the *Betty Crocker* pie crust  
that comes out perfect\* every time!

Make a perfect pie crust, bake a perfect pie crust with new Betty Crocker Pie Crust Mix. It's homogenized . . . extra rich in shortening . . . perfectly blended. No need for a light touch . . . *this* mix can't make tough crust. Comes in easy-to-use sticks, one for a single crust, two for a big 9" double crust . . . enough for fancy trimmings, too!



**Winter Carnival Cling Peach Pie.** Tuck spicy, syrupy peaches in perfect Betty Crocker pie crust. Slash top crust for snowflake design.

"I guarantee a perfect  
pie crust every time!"

-says *Betty Crocker* of General Mills

Perfectly flaky! Perfectly crisp! Perfectly golden brown!



\* **Money Back!** Yes, all our Betty Crocker Mixes—Cake, Frosting, Brownie, Date Bar, Pie Crust, Answer Cake—are guaranteed to come out perfect, or send the box top to Betty Crocker, Box 200, Minneapolis, Minn., and General Mills will send your money back.





WHEN SHE LAUNCHED THE LUXURY LINER  
SHE WAS WEARING HER **DUAL-LURE\***

**MOJUD®**  
**HOSIERY**

\*DUAL-LURE IS MOJUD'S SHEER STOCKING THAT WEARS LONGER

**\$40,000 "ROYAL TREASURE CHEST" CONTEST!**

**CALORIC  
GAS RANGES**



with  
**THERMO-SET  
burners**

Winners get Caloric Gas Ranges or  
Brother Sewing Machines as illus-  
trated — or RCA TV sets, famous-  
make washers, refrigerators, ranch  
mink stoles! PLUS personal appear-  
ances for Bonus Winners on radio or  
TV shows! PLUS phone calls for Bonus  
Winners from "mystery" Hollywood  
or Broadway stars! Nothing to buy,  
no jingles to write! ENTER today at  
your local MOJUD HOSIERY dealer!

**BROTHER  
SEWING MACHINES**



super  
**WINDOW-MATIC  
portables**

Contest subject to all Federal, State and Local regulations.

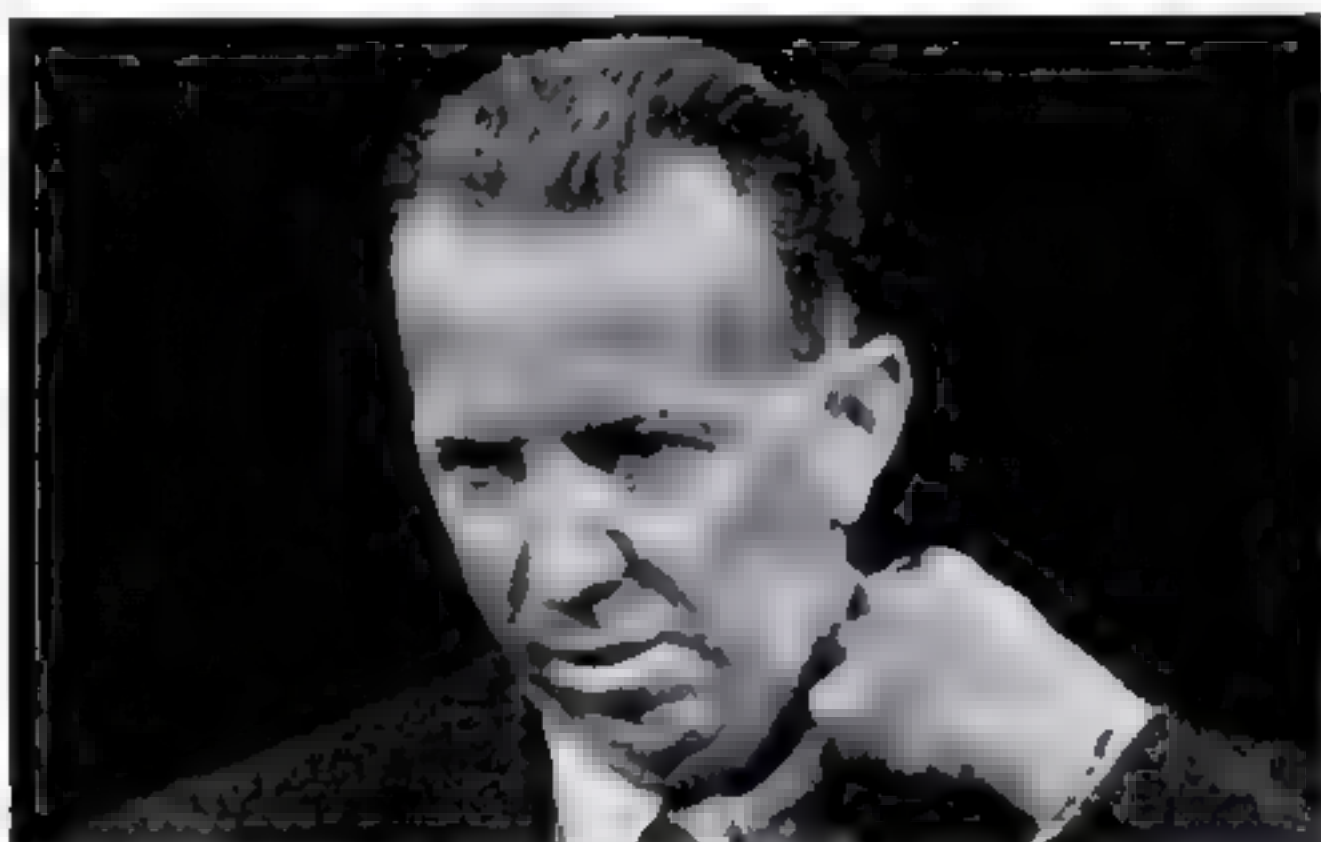
**CELEBRITIES' HOT SEAT** CONTINUED



AL MORGAN, AUTHOR OF BEST-SELLER, "THE GREAT MAN"

**Q** The hero of your book is a liar and cheat. Are you suggesting that as the standard of the top television entertainers in the country?

**A** Frequently these are the results of success. The character was never meant to be Arthur Godfrey but a composite of many people. Right after the book was published I had one very nasty letter saying I certainly had nerve writing such a lousy book about Liberace.



DON BUDGE, FORMER U.S. PRO AND AMATEUR TENNIS CHAMP

**Q** Do you believe then that amateur sports such as tennis should be discarded and put on an open paying basis?

**A** I think it ought to be on a legitimate basis in all parts of the world or be more realistic and let the amateur players represent a sporting goods firm and get a salary. If they won't do that then I say you've either got to make it pure amateurism or make it pure professionalism.



LISA FERRADAY, HUNGARIAN STAGE AND SCREEN ACTRESS

**Q** You are regarded as a femme fatale on screen. Why do American men consider you the same kind of person off screen as on?

**A** It's the misunderstood male who does that and I don't think he is really so misunderstood. He is just looking for an escape or an excuse that will mean a complete lack of responsibility. His choice will be the European woman. This is the man who will turn to me.



# Fun...

## The two new *Betty Crocker* Angel Food Cakes that come out perfect\* every time!

One's our regular Angel Food—high, light, and handsome! The other's our brand-new Confetti Angel Food—with colorful morsels of candy right in the mix; along with the whites of 13 farm-fresh eggs! You'll be so proud when you bake up either one of these big, beautiful cakes! And you never need to worry—they always come out perfect.



**Winter Carnival Angel Food Pinwheel With Cling Peaches.** Bake up Betty Crocker Angel Food and Confetti Angel Food Cake Mixes. Place alternate slices around a center bowl of golden cling peaches. Glorify it with Reddi-wip. A party spectacular!

**"I guarantee a perfect\*  
Angel Food Cake every time  
you bake!"** *says Betty Crocker of General Mills*

- \* Higher! Lighter!
- \* Melt-in-your-mouth-tender
- \* Contains the whites of 13 farm-fresh eggs



**PERFECT!** Yes, all our Betty Crocker Mixes—Cake, Frosting, Brownie, Date Bar, Pie Crust, Answer Cake—are guaranteed to come out perfect, or send the box top to Betty Crocker, Box 200, Minneapolis, Minn., and General Mills will send your money back.



*3-way fun  
all in one!*

- HI-FI RADIO
- PHONOGRAPH
- TELEVISION




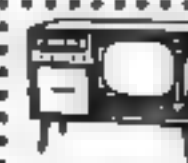
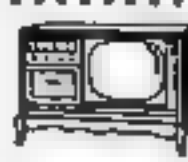

The Williamsburg  
Model 1KD82M

*...all 3 for the price of TV alone!*

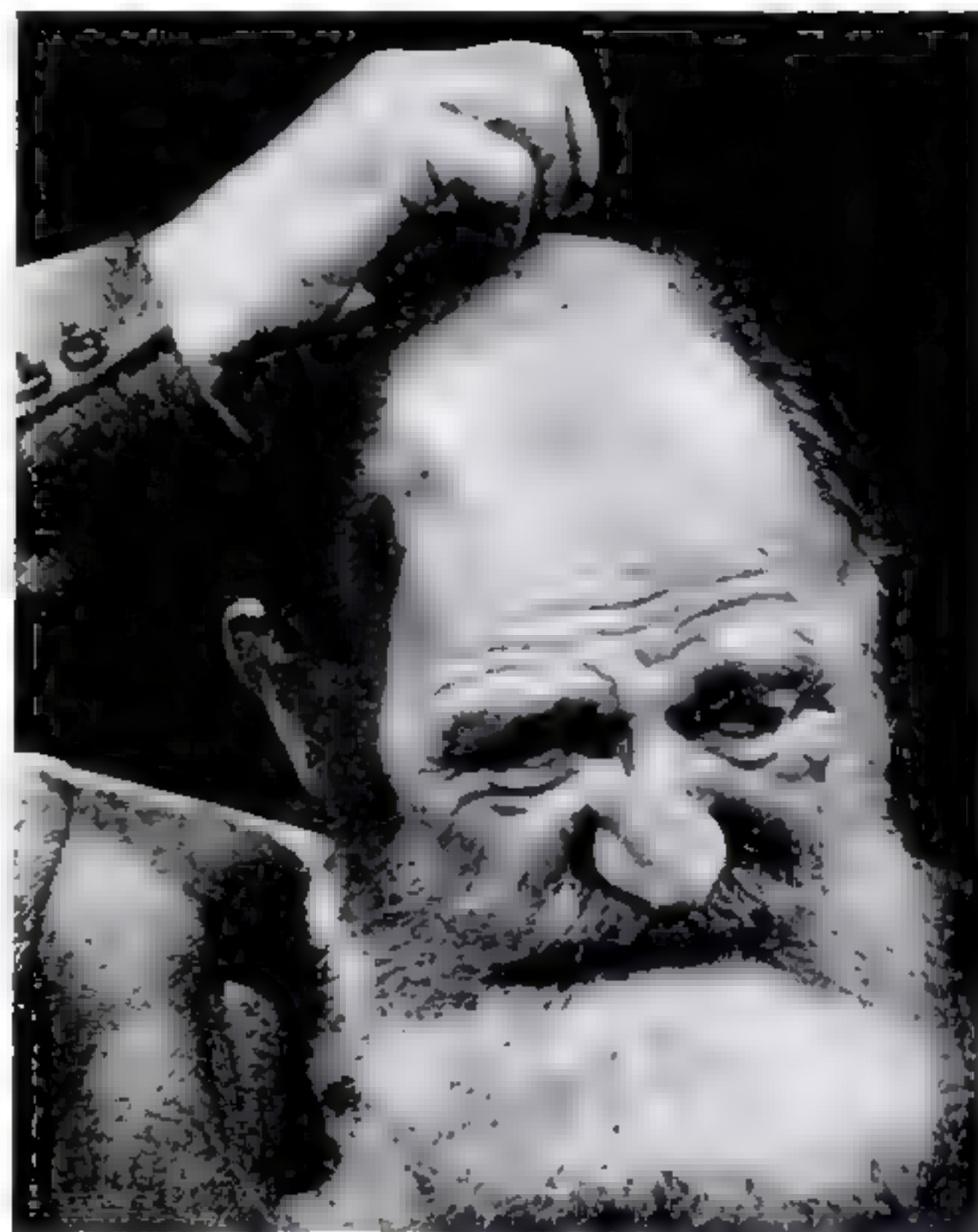
YOU GET MORE FAMILY FUN with this magnificently styled Olympic 3-for-one home entertainment center. Imagine! A giant 21" or 24" TV (overall diagonal) ... plus automatic, 4-speed hi-fi phonograph...plus hi-fi radio...all 3 for almost what you'd expect to pay for TV alone!

Compare Olympic's precision-engineered, luxury quality combinations, table models and consoles. Stop in at your dealer's today. Look at the brilliantly clear TV pictures. Listen to the life-like sound. Then compare the tremendous values and choices—161 handsomely styled models to match any decor—and you'll buy Olympic!

**Olympic**    
AFFILIATE OF UNITRONICS CORPORATION  
*world's leader in combinations*

		OLYMPIC RADIO & TELEVISION, 34-99 38th Avenue, Long Island City 1, N.Y. <input type="checkbox"/> Send me free literature on Olympic 3-way combinations and hi-fi. <input type="checkbox"/> Send me name of nearest Olympic dealer Name _____ Address _____ City _____ Zone _____ State _____
		
Traditional	Modern	
Provincial	Chinese	

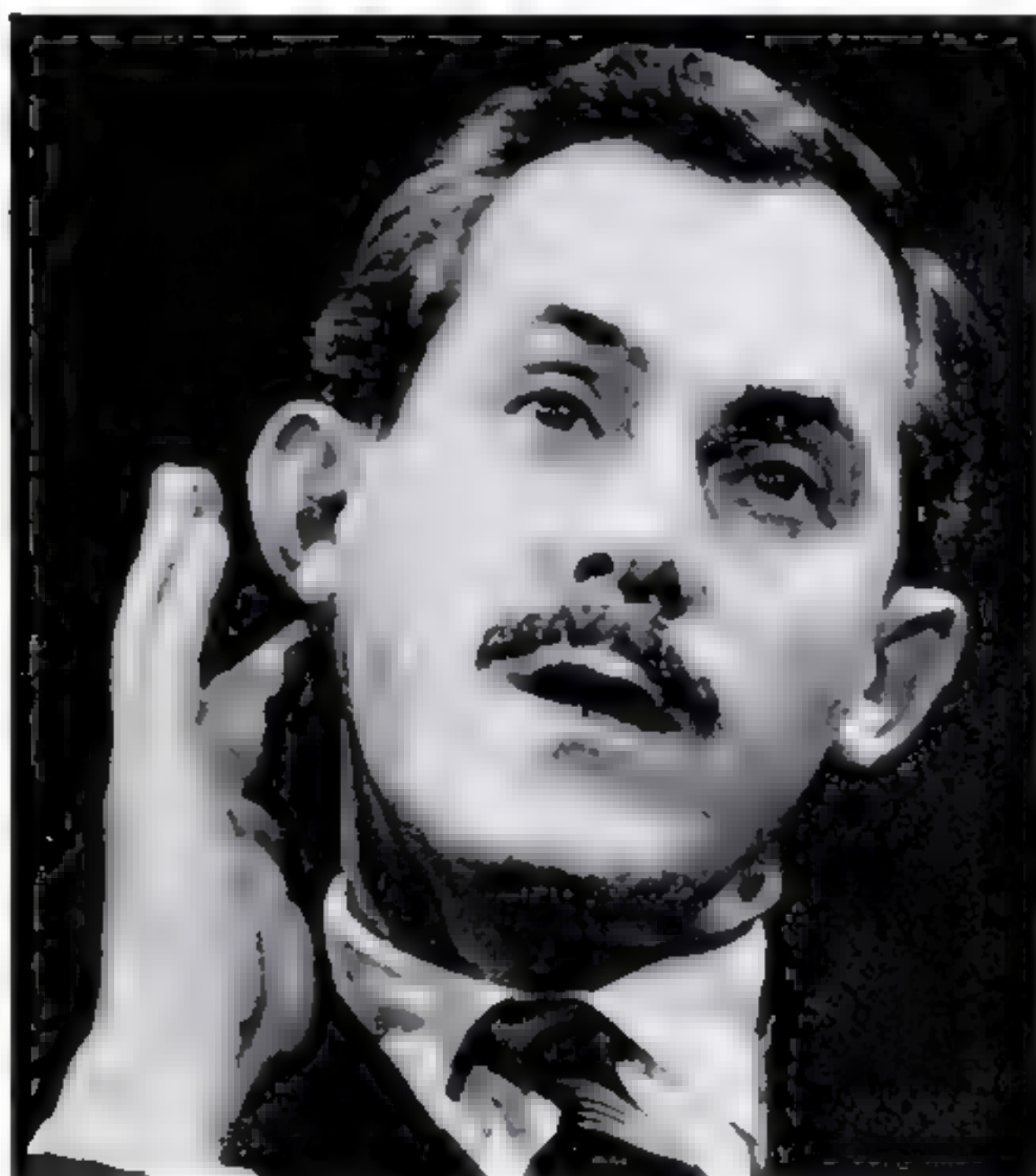
## CELEBRITIES' HOT SEAT CONTINUED



PETER FREUCHEN, 71-YEAR-OLD ARCTIC EXPLORER

**Q** Can you compare the morality of Eskimos in Greenland and your own morality, the morality of the Danish people?

**A** . . . They have a certain sex life up there which cannot be governed by law or by people and lots of people I know, particularly Americans, are very much hampered. The Christian churches, you know, have a certain idea that the people have no sex life until the minister tells them.



MORDECAI KIDRON, ISRAELI REPRESENTATIVE TO THE U.N.

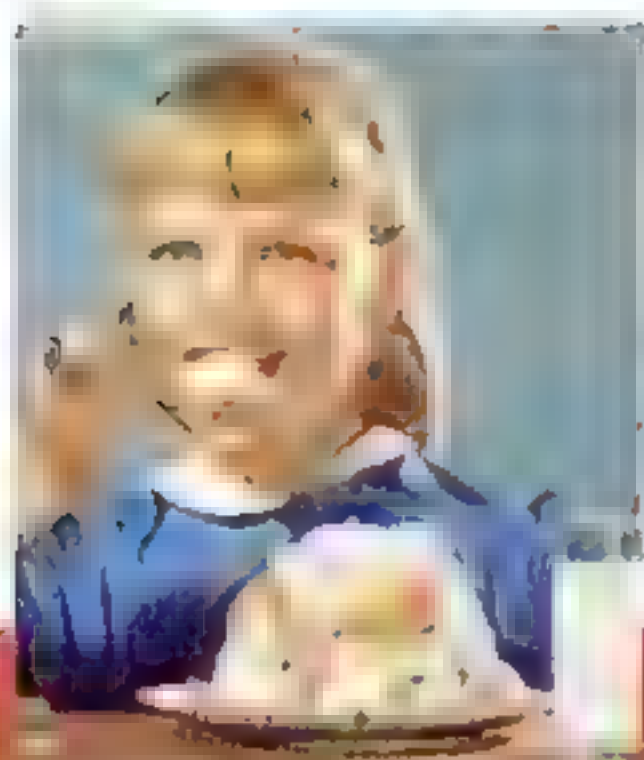
**Q** How do you justify Israel's invasion of Egypt? And why did Israel not seek U.N. aid rather than risk World War III?

**A** We've been at this business of having recourse to the U.N. ever since the armistice in 1949 and since that time never a day has passed on any one of our borders where someone has not been wounded. . . . There's been damage, turmoil, marauding banditry for the last eight years.

CONTINUED



...and here's the **Easy** way  
to glorify all your peach desserts!



Fresh cream **Reddi-wip**

whips itself!



*Winter Carnival Cling Peach Shortcake*

**Do you know** how delightfully *fresh* Reddi-wip tastes? Well there's no other taste like it. For the one and only Reddi-wip is made of *fresh, pure cream*—by dairy men who know how. It *glorifies* cling peaches (and all desserts) at a touch of your finger. No beaters, no bowls to wash, no failures! So for fun—and a taste you'll be a long time forgetting—serve peach shortcake and Reddi-wip. For real home-made shortcake, just add cream to Bisquick.\*

Reddi-wip designates the fresh cream product of Reddi-wip, Inc. and its authorized processors throughout the United States and Canada.  
\*Product of General Mills, Inc.



**For Winter Carnival Shortcake**

**You need Reddi-wip, Cling Peaches and Bisquick\***

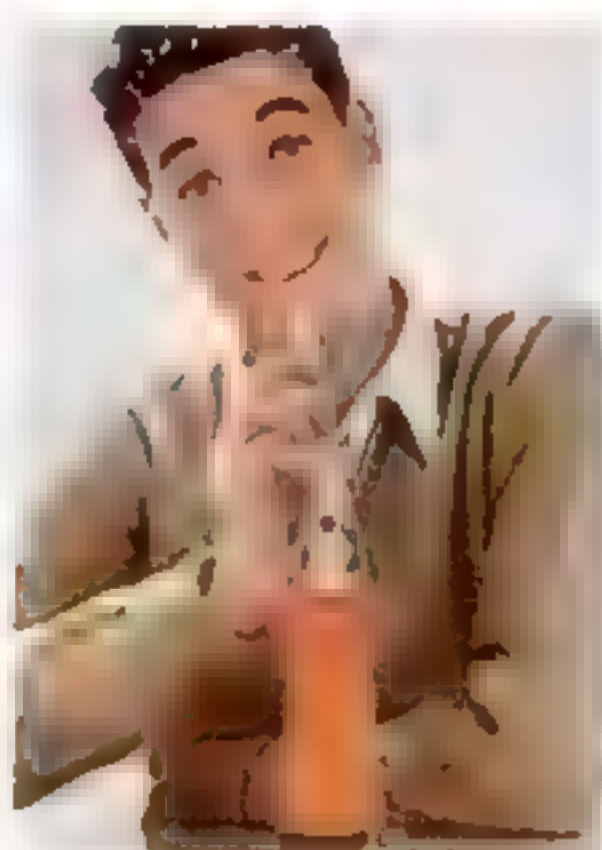




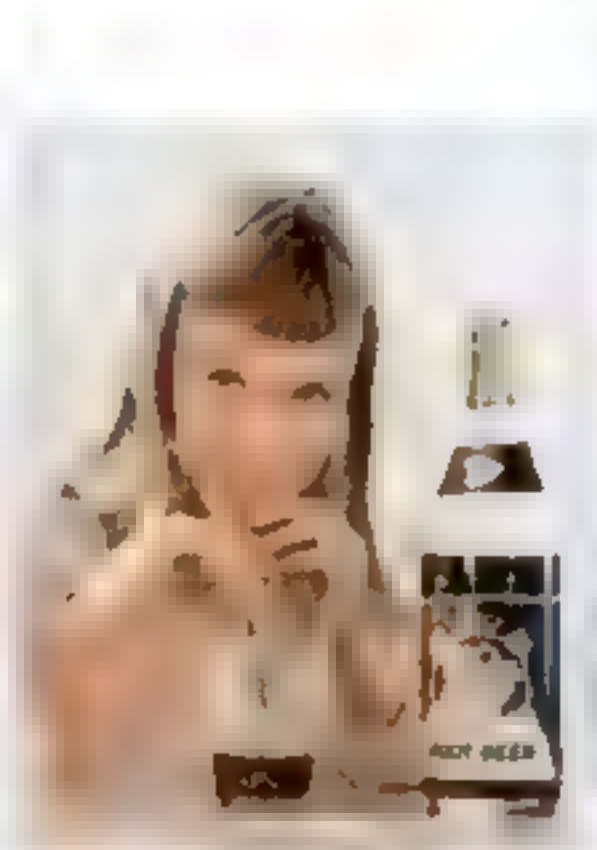
The day Jimmie went shopping...he got enough sparkling Canada Dry Ginger Ale and the 10 tempting flavors to last his family two whole days!



**Sparkling Ginger Ale** "Mom says it's light, dry, less filling!"



**True Fruit Orange** "Billie bet he could drink a gallon!"



**Old-Fashioned Root Beer** "Sis loves that rich, creamy flavor!"



**Hi-Spot Lemon** "Pop really goes for that lemony taste!"



**A FLAVOR FOR EVERY TASTE**





OPEN UP YOUR NOSE

**Breathe Again!**

When a cold stuffs up your head and it's hard to breathe, just put a few drops of Vicks Va-tro-nol up each nostril as directed. Instantly, you feel a refreshing tingle. The swelling goes down, the irritation is soothed, your nose opens. You breathe again! Wonderful relief, too, for sneezes and dry, itching nose.

**VICKS VA-TRO-NOL**  
NOSE DROPS



**Your Auto Needs**  
**FILT-O-REG**



**STOPS Flooding, Stalling, Vapor lock**  
Alondra Sales, Inc. Los Angeles 19, Calif.



EXTRA METAL CAP for extra safety



## CELEBRITIES' HOT SEAT

CONTINUED



FAYEZ SAYEGH, ARAB LEAGUE REPRESENTATIVE IN NEW YORK

**Q** One final question. Are you as a person—as Fayeze Sayegh—are you anti-Jewish?

**A** Sir, ... there is no hostility, no conflict, no tension, no problem between us and the Jews as Jews. Any problem is between us and the Zionists as a political movement. Arabs, religiously speaking, inherit traditions from Judaism. Racially speaking, we are cousins.

## TROUBLE FROM TV SHOW



WITH DAUGHTER Carol, 10, Miss Ferraday enjoys a stroll.

Wallace never knows what answers his impertinent questions may bring. Some are sanctimonious (above), some frank (below). His guests never know where their answers may lead. For Lisa Ferraday (p. 52) they led to trouble with a judge.

Miss Ferraday has a daughter, Carol, who is beneficiary of a \$50,000 insurance policy given to her by a Hollywood financier, A. Pam Blumenthal, a friend of her mother's who died three years ago.

Miss Ferraday had recently applied to New York Supreme Court Justice

Vincent A. Lupiano for \$9,890 from policy funds to help pay for Carol's clothes, vacations, schools and share of rent. On Wallace's program she said that the funds paid only for Carol's "doctor's bills and school—I pay for everything else." Listening to the program was Justice Lupiano, who decided to take her literally. Declaring she sounded "nobler and more self-limiting" on *Nightbeat* than in her request to the court, he refused the amount she asked, granted her only \$2,115.



ILKA CHASE, HUMORIST, NOVELIST, PLAYWRIGHT, ACTRESS

**Q** What about the moral climate of Hollywood? Has it changed considerably in ten, fifteen years?

**A** I don't see that their morals are any worse than anybody else's. ... I think when you take people who suddenly achieve enormous fame, enormous wealth—without very much background frequently—it's quite human and natural that they go off the track a little.

## FIX-IT TIPS

with "Plastic Wood"



Remove screws. Fill holes with hard-holding Plastic Wood. When dry, screw screws back in.



Put 'em back together with Plastic Wood. It sticks to any surface—holds permanently.



Remove knobs. Fill holes with Plastic Wood. When dry, screw knobs back in.



Use Plastic Wood to set them tight again. It hardens harder than wood itself.



Set things right with NEW "PLASTIC WOOD."





# Only a PULLMAN ticket brings you all these Travel Extras!



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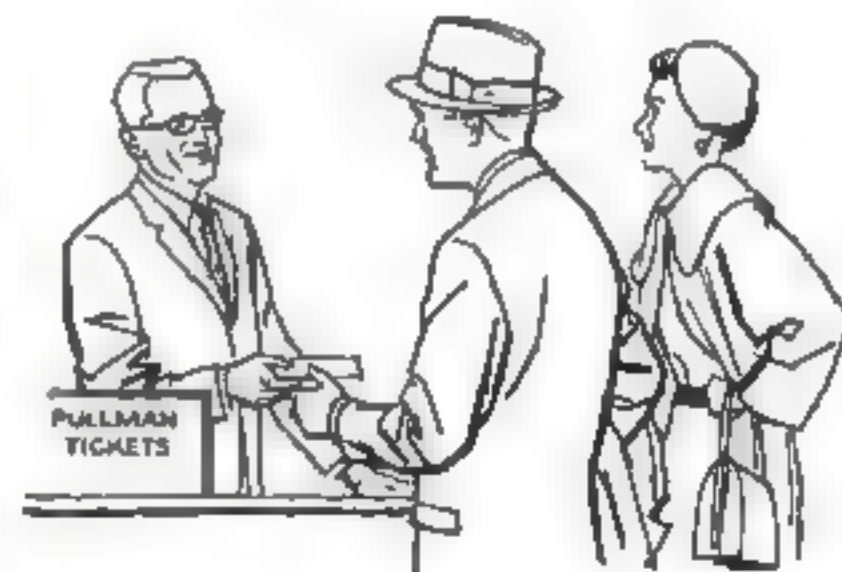
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*Ask for a  
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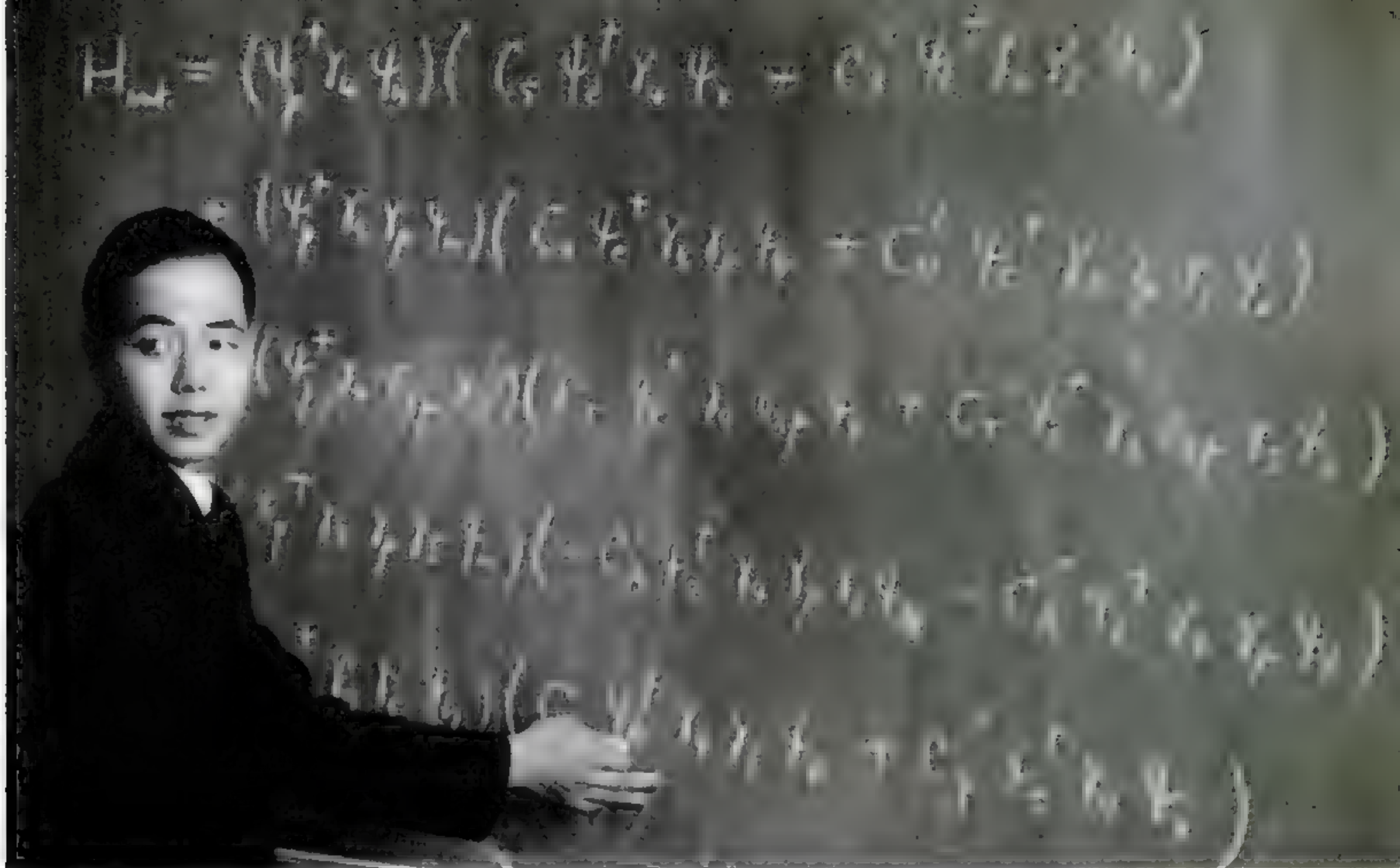
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YOU'RE SAFE AND SURE  
WHEN YOU TRAVEL BY  
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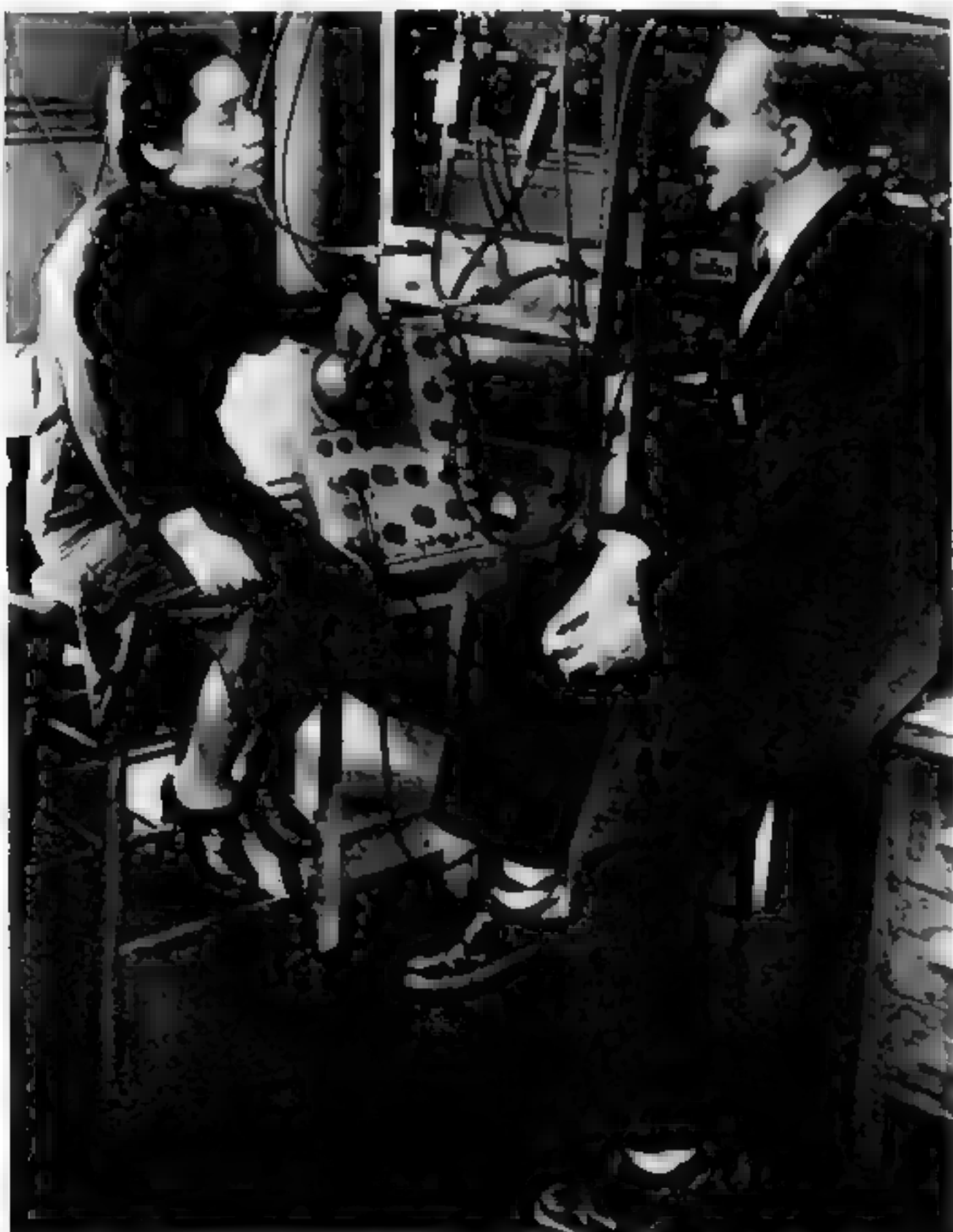
**PULLMAN...THE TRAVEL SERVICE OF COMFORT, PRIVACY AND SLEEP!**





DR. T. D. LEE OF COLUMBIA UNIVERSITY ILLUSTRATES SOME OF HIS REASONING WITH A LONG EQUATION THAT DESCRIBES BEHAVIOR OF SUBATOMIC PARTICLES

## A CHERISHED LAW OF PHYSICS GETS REPEALED



EXPERIMENTALIST DR. WU of Columbia greets Dr. Ernest Ambler of Bureau of Standards, who furnished lab and collaborated with her on the experiment.

A historic experiment smashed one of the most cherished "natural laws" of nuclear physics last week. For 30 years scientists believed implicitly in "the principle of parity," which, loosely translated, meant that sub-microscopic particles always behaved symmetrically—that is, they displayed no distinctively different right and left sides or tops and bottoms. Last summer two brilliant Chinese-born theoreticians, 30-year-old Professor Tsung Dao Lee and 34-year-old Professor Chen Ning Yang, challenged the very basis of the concept. Pointing to mystifying instances where particles apparently refused to obey the "law," they suggested specific experiments to debunk it. The first test was made by another Chinese professor, Chien Shiung Wu (*left*). It proved particles are indeed "right-handed" or "left-handed" (*see drawing, next page*).

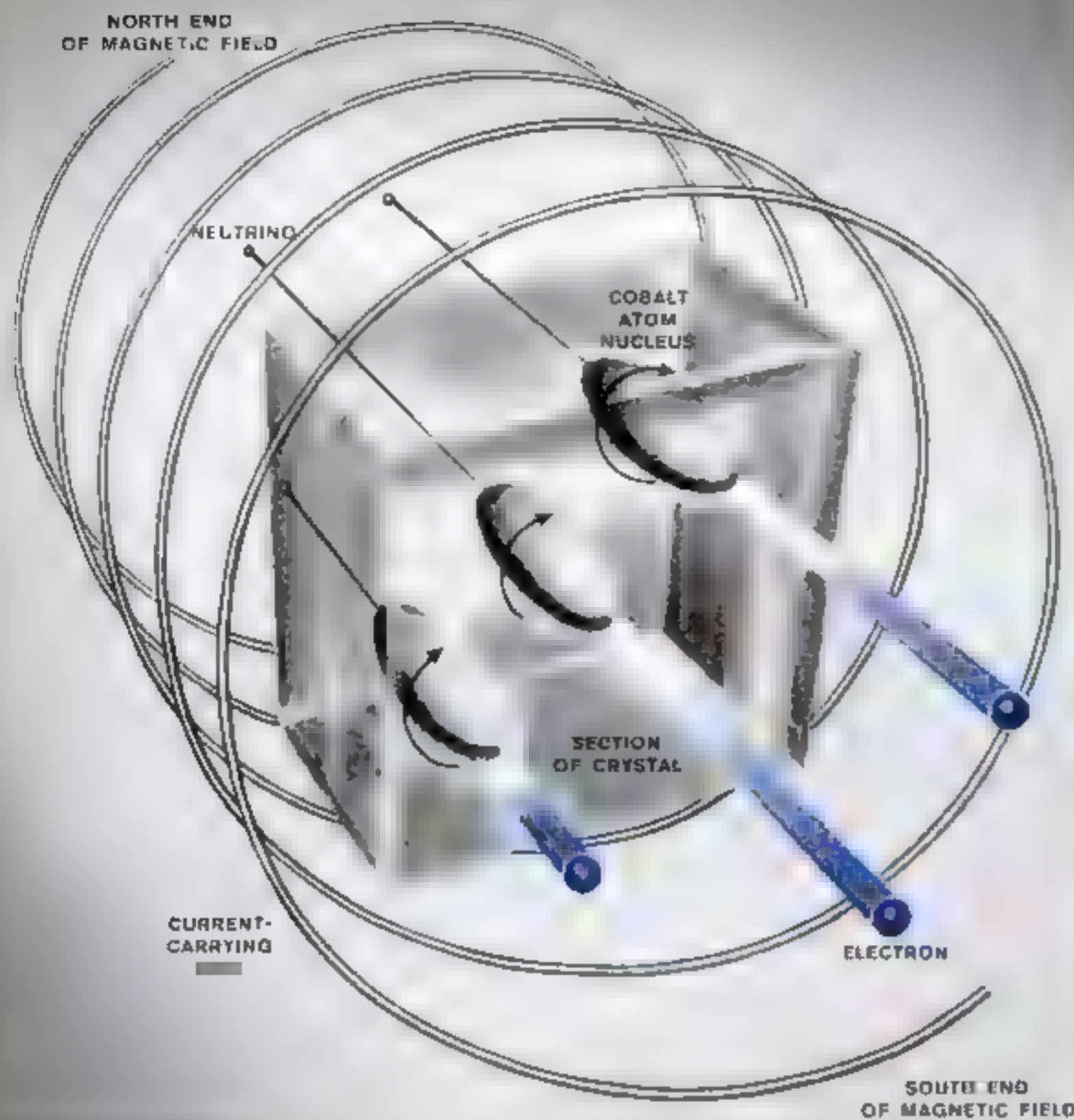
In itself the discovery offers no ready-made new theory. But by removing a false one it may lead to an explanation of the puzzling behavior of the 30-odd particles smaller than the atom on which all concepts of the universe depend. Excited scientists are rushing to laboratories to verify the findings. They must also re-examine other theories partly based on the erroneous concept. The resulting intellectual ferment and retesting of old ideas might lead to a goal which eluded Einstein: a Unified Field Theory, encompassing all the laws of matter, energy and the universe.



THEORIST YANG, of Institute for Advanced Study → at Princeton, discusses finding. At right is his son.

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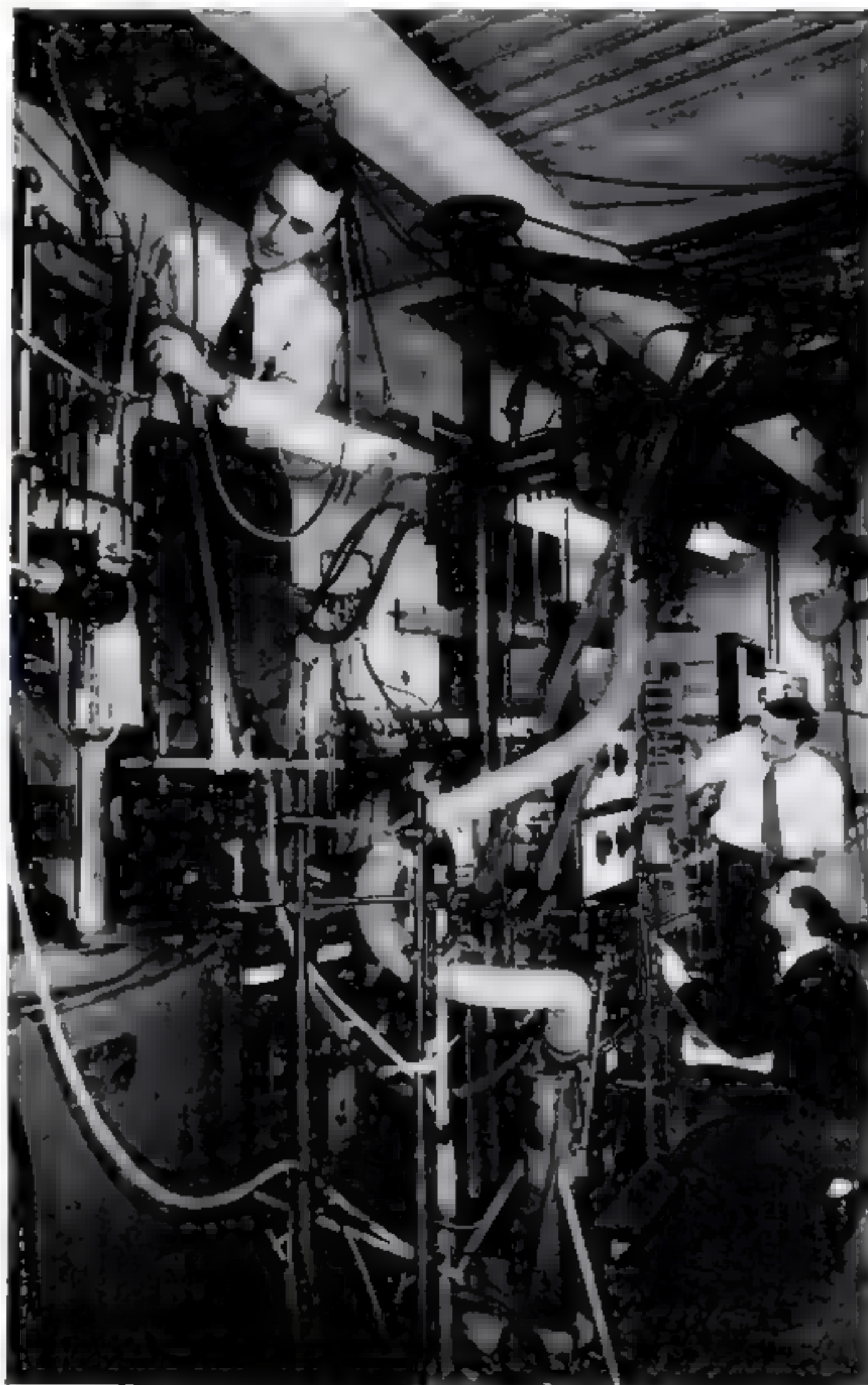




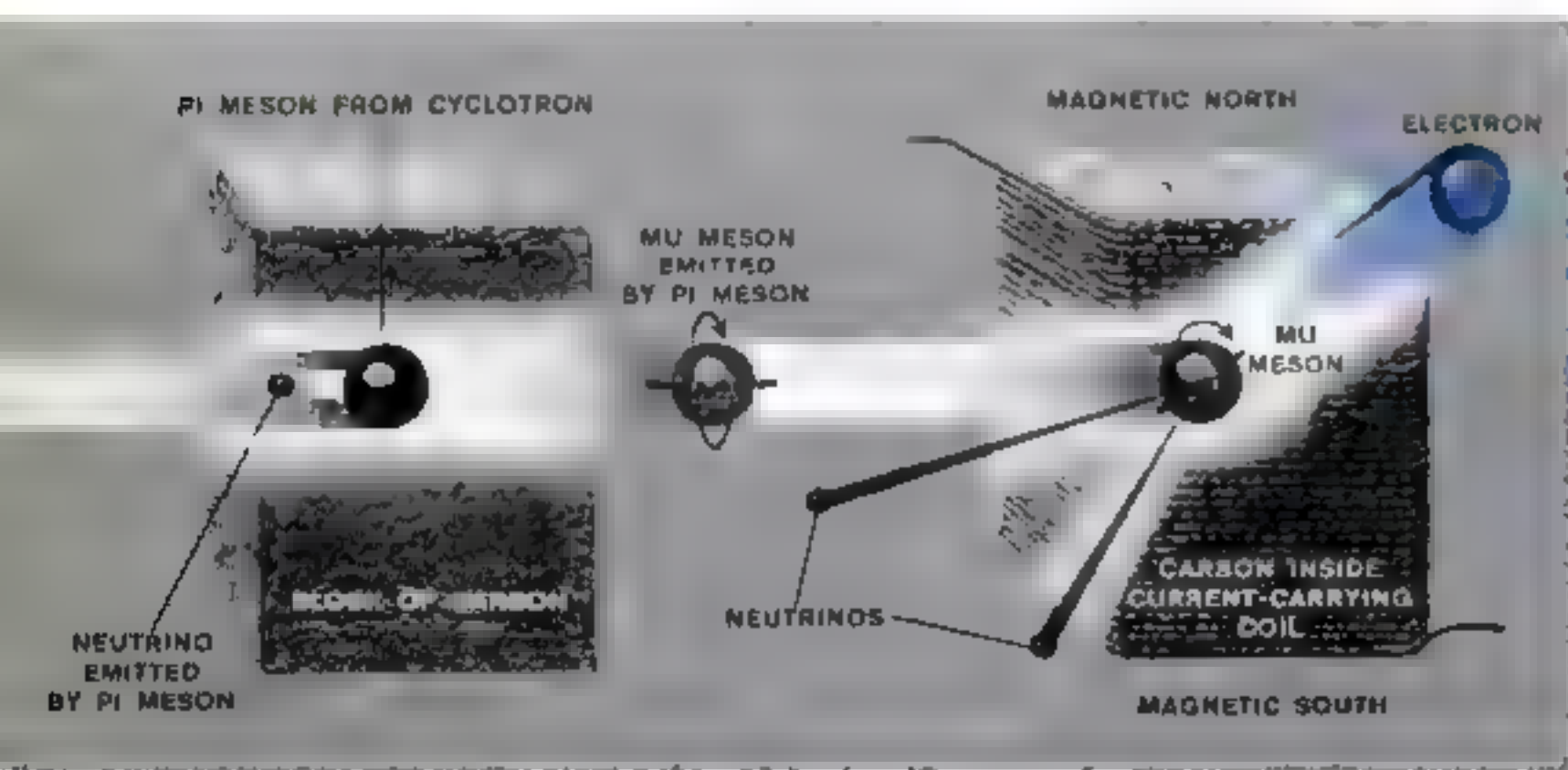
## HOW COBALT NUCLEI EXPERIMENT UPSET LAW

How the experiment run by Dr. Wu and her co-researchers upset the "parity law" is shown in the simplified drawing above, in which some sizes are vastly exaggerated. The test was based on the previously proven fact that the nucleus of a radioactive cobalt atom "decays." In the process it emits one electron and one neutrino (an uncharged particle even smaller than an electron). A crystal containing cobalt nuclei was placed in a magnetic field created by current flowing through a wire coil. It was already known that the cobalt nuclei would all line up in the magnetic field. According to parity, as they spun half of them should then have emitted their electrons toward the "north" end of the magnetic field and the other half toward "south." Actually, far more electrons came out the "south" end of the nuclei. By repeating the test under varying conditions, it was verified that cobalt nuclei emit electrons from one particular end. This shows that one end of the nucleus is different from the other, something never known before. Particles will now be referred to as "right-handed" or "left-handed," contrary to what the principle of parity held.

## Law of Physics Repealed CONTINUED

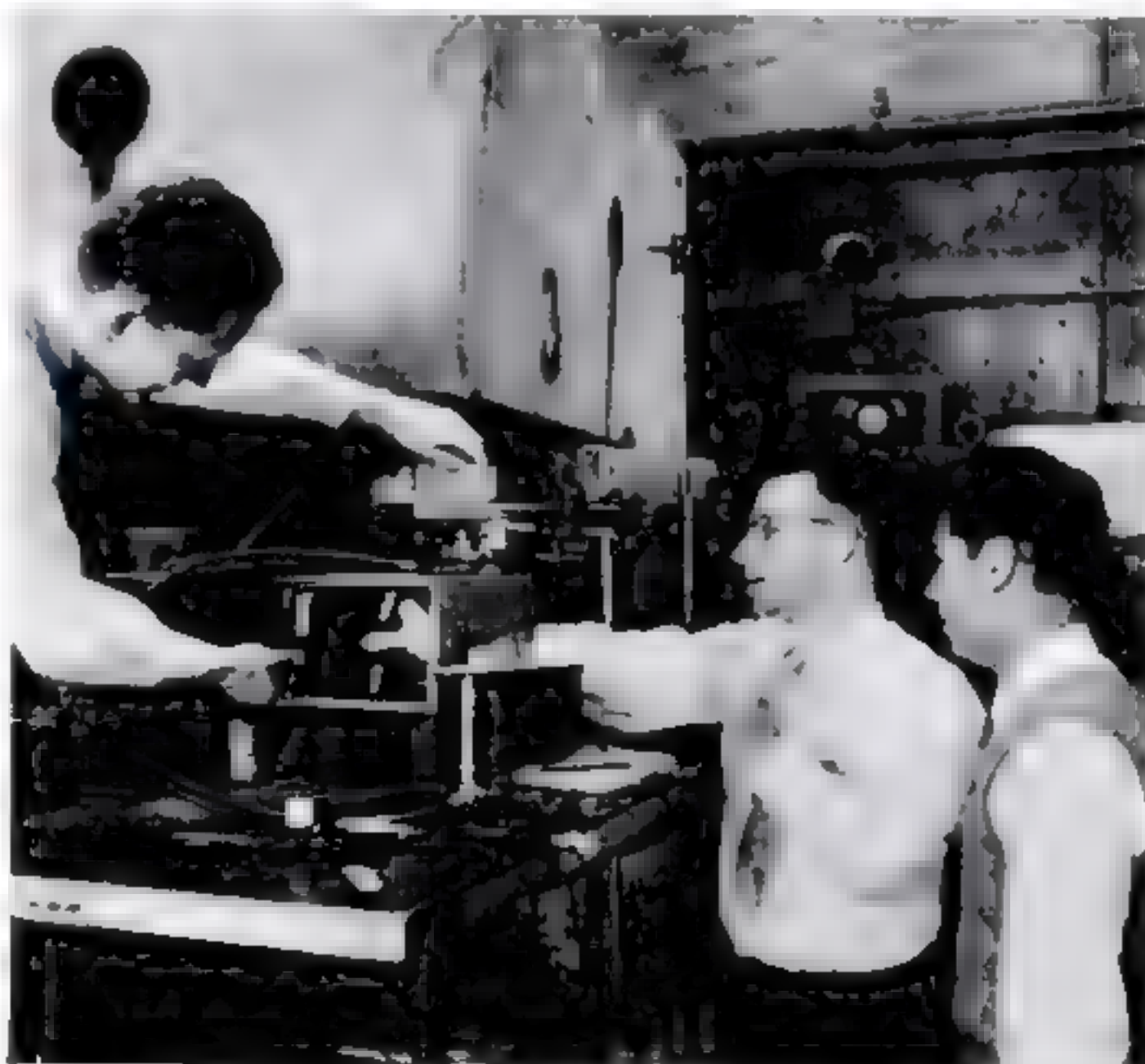


**PARITY TESTERS** who worked with Drs. Wu and Ambler cool cobalt-containing crystal to  $-459.59^{\circ}\text{F.}$  to stop normal agitated movement of nuclei in it, make delicate test possible. Dr. Ralph Hudson (left) checks glass tube holding crystal. Dale Hoppes (kneeling) and Dr. Raymond Hayward observe electron count.



## A CYCLOTRON TEST THAT CONFIRMS DISCOVERY

After the "cobalt experiment" (top of page) scientists (right) using a cyclotron tried a second test. As shown above, a pi meson (one of the 30 subatomic particles) "decayed" into a neutrino and a rapidly spinning mu meson. Passing through a carbon block, the mu meson entered a second block wrapped in wire that produced a magnetic field. Here it disintegrated into an electron and two neutrinos. According to parity, in a number of such disintegrations electrons should have gone in random directions. Instead, the electrons almost always went in a particular direction, that is, out of one particular end. This showed that mu mesons, like cobalt nuclei, have distinctly different ends, and confirmed parity wrong.



**CYCLOTRON SCIENTISTS**, Dr. Leon M. Lederman of Columbia (left) and Dr. Richard L. Garwin of International Business Machines' Watson Laboratories at Columbia (center) adjust wire-wound carbon block in its supports. The cyclotron is behind concrete in rear. At right is graduate student, Marcel Weinrich.



*Something about that man...*



Easy to hold, in the smart decanter bottle

## NEW ICE BLUE AFTER SHAVE

### New aroma!

A unique scent-prolonger, M-10, makes the ice blue aroma of New Aqua Velva really *last*. 1500 men tested leading after-shaves. New Aqua Velva won hands down. And their girls loved it.

### New action!

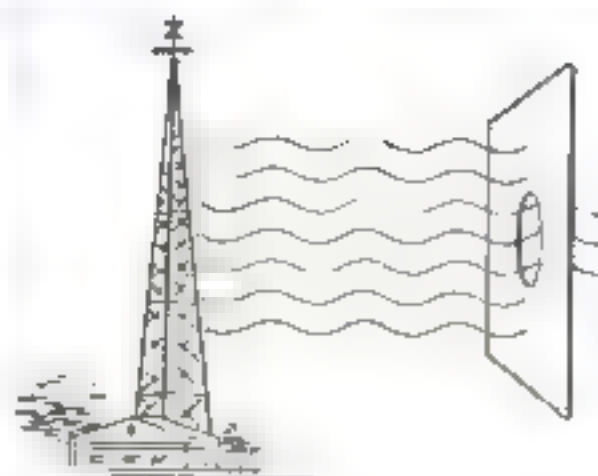
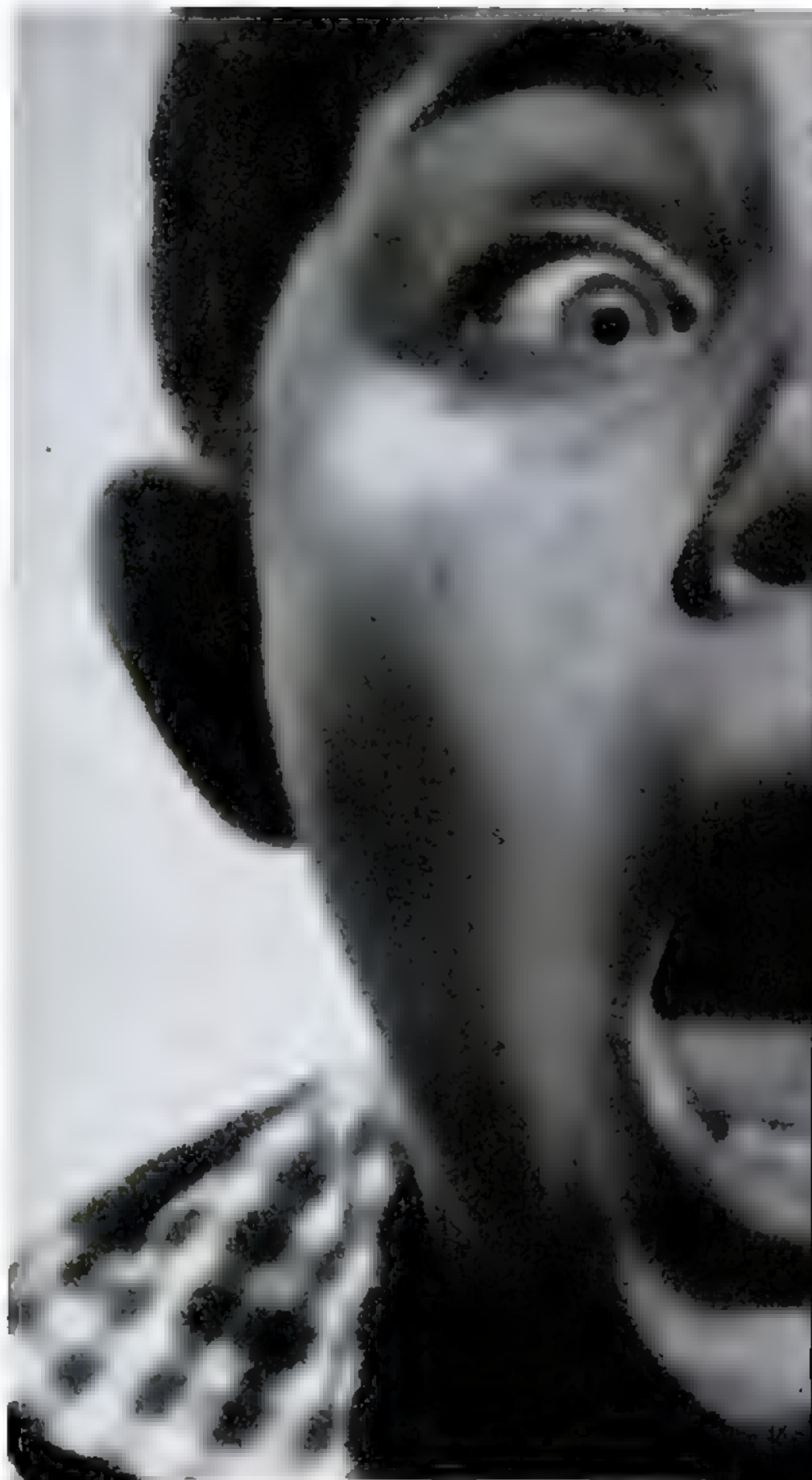
A new skin-conditioner, Humectin, in Ice Blue Aqua Velva "gives your skin a drink." It restores skin moisture removed by today's closer shaving razors and skin-parching push-button shaves.

### New feel!

New Ice Blue Aqua Velva refreshes in a new way. It cools without bite—tingles without sting. Helps nicks heal faster, too. At better drug counters everywhere, 60¢ and \$1.

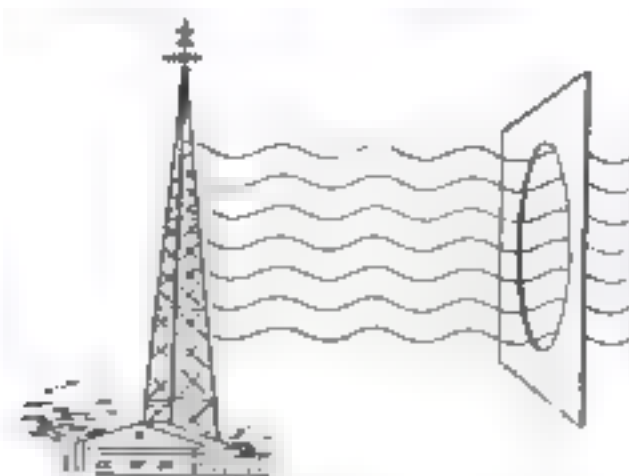






**ORDINARY "NARROW BAND" SETS**

simply *can't* reproduce full wide-band signal FCC requires TV stations to send. Note blurry detail. See harsh whites and blacks with few "middle-tones" in-between.



**WESTINGHOUSE "BROAD BAND" TV**

is engineered to receive and reproduce *all* of signal from the TV station. See needle-sharp detail. Over entire picture, added "middle-tones" give a new life-like realism.



# New Westinghouse BROAD BAND TV gives you 22% MORE DETAIL!

**Now, a TV set that's engineered to bring you ALL of the signal the TV station sends!**

With wonderful Westinghouse "Broad Band" TV you see pictures that are breathtaking in their realism—pictures with 22% more detail than sets not having this feature! Detail that's sharp instead of blurry. Tones that are beautifully modeled instead of harsh and contrasty. Images so life-like they bring new pleasure to your favorite TV shows!

But, that's only the beginning! 1957 Westinghouse TV gives you Push-Bar Power Tuning, Push Button On-Off switch. Automatic Gain Control that smooths out "flutter" from airplanes and street traffic. Silver Safeguard Chassis that gives you amazing new freedom from service calls . . . optional "Chairside" Remote Control . . . space-saving Slim-Trim styling.

Never has any set given so much for your money. Let your Westinghouse Dealer prove it to you *today!*



**NEW! PUSH-BAR POWER TUNING—A** feather-light touch changes channels instantly...by-passes unused channels automatically!



**NEW! PUSH-BUTTON ON-OFF CONTROL**—No fiddling with volume every time you turn set on. Operates independently of Volume Control.

\*21-INCH OVER-ALL DIAGONAL, 243 SQ. IN. VIEWABLE AREA.

PORTABLE TV styled by Raymond Loewy Associates. 2 screen sizes: 105 sq. in. or 141 sq. in. viewable area.

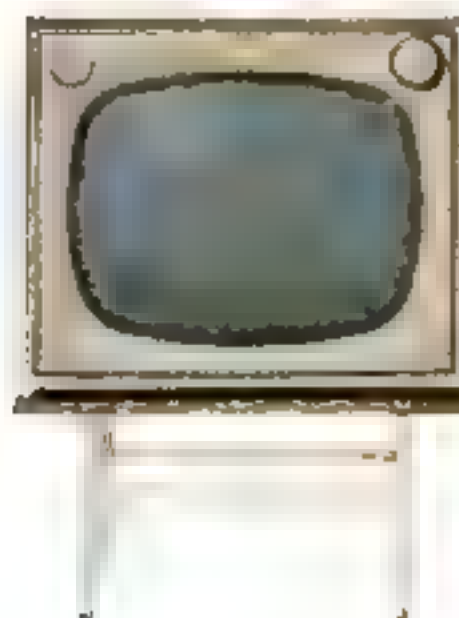


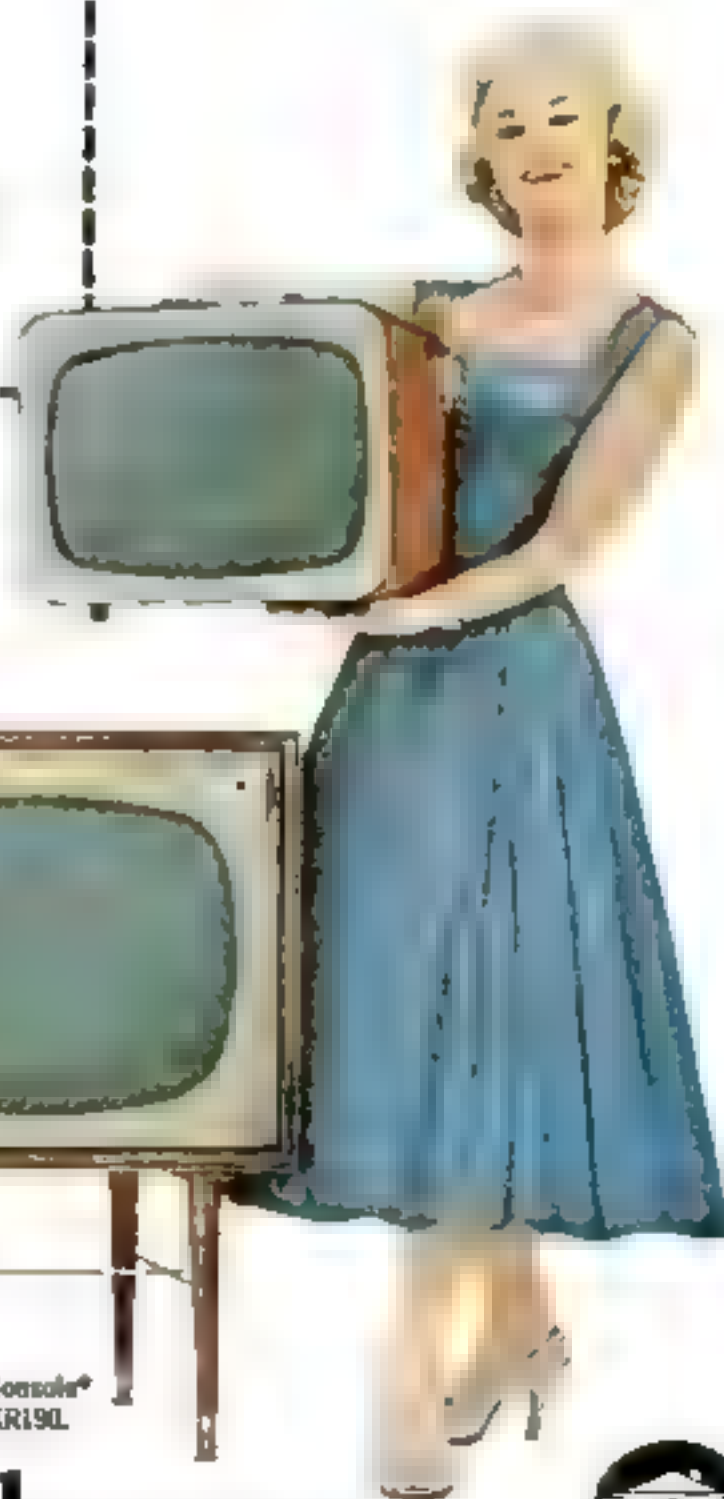
TABLE MODEL TV\*, gleaming Lined-Oak or Mahogany finish. 21KR183.



COMPACT SLIM-TRIM CONSOLE\* in Mahogany finish. 21KR188.



MULTI-SPEAKER Horizontal Console\* in Walnut or Maple finish. 21KR190.



YOU CAN BE SURE...IF IT'S **Westinghouse**

See TV's top dramatic show—Westinghouse "Studio One"

Television-Radio Division, Metuchen, New Jersey





Mrs. C. A. P. of Virginia wrote:

"My cat is much healthier and much prettier, now that I feed her only Puss 'n Boots. She won't eat any other kind."



"I keep this family quick and spry!" For an 8" x 10" print in full color of this photo by Walter Chondola, send 35¢ to Cat Pictures, Dept. L-17, Box 6144, Chicago 77, Illinois.

# "Much healthier...much prettier" that's the joy of **Good Nutrition**

We're grateful to Mrs. C. A. P. for that letter quoted above, because it puts into a few short words just what *good nutrition* does for a cat.

Naturally a cat will be "much healthier, much prettier"...more playful, more fun to watch and to own...if its diet includes every nutrient a cat is known to need. And that's exactly what Puss 'n Boots Cat Food provides for *your* cat.

## Here's what goes into every can of PUSS 'N BOOTS

- **Whole Fish** (not parts or by-products). That includes the tasty fillets—the flesh of the fish, usually reserved for human consumption—because the fillets are so rich in the proteins your cat needs for growth and for health throughout life.

The fillets contain proteins which are more complete in health-giving amino acids, more concentrated, and

more nutritious than those usually found in fish "frames" or scraps, from which many commercial cat foods are made.

## Vitamins, Minerals, too

Puss 'n Boots also retains the fish liver and glands, for their vitamins and minerals; and even the bone structure (made soft and digestible), because cats need its calcium.

- **Selected Cereals** are added for carbohydrates and all-round nutrition.
- **Extra Vitamin B<sub>1</sub>** is added to every can, because your cat needs this "nerve vitamin" every day.

## See for Yourself

Puss 'n Boots is pre-cooked in the can...comes ready to serve. Feed it regularly...watch your cat grow more playful, more beautiful, more lovable! Puss 'n Boots is on sale at food stores everywhere.



## How the Natural Life Balance of WHOLE FISH is Retained in Puss 'n Boots

**BONE STRUCTURE**, for valuable calcium and phosphorus. Made soft, crumbly and digestible, and retained in Puss 'n Boots.

**FILLETS OR FLESH**, rich in high-quality proteins. Usually reserved for human consumption, but retained in Puss 'n Boots.



**LIVER AND GLANDS**, for minerals and vitamins. Vital for well-being. Often extracted for medicinal use, but retained in Puss 'n Boots.

plus

**extra Vitamin B<sub>1</sub>**  
(Thiamine)

Every can of Puss 'n Boots contains this essential "nerve vitamin", which cats need for health and energy. Puss 'n Boots fed regularly assures an adequate supply.

Coast Fisheries, Division of The Quaker Oats Co., Chicago 54, Illinois

# PUSS 'N BOOTS

**is good nutrition**

America's largest selling cat food...adds the plus in health, beauty, vigor





CASUAL OUTFITS for spring are pale tweed suit with short jacket and dotted blouse (Ben Zuckerman, \$245) worn with oil the face felt hat (Emme, \$60) and

similar suit of wool-and-silk tweed with a silk blouse (Ben Zuckerman, \$245) which is worn with head-lugging felt hat turned back at sides (Sally Victor, \$65).

## STYLISH SLOUCH

Spring suits—and wearers—take on a relaxed look

In shopping for a new suit this spring, the word to remember is "relax." Grown nostalgic for the '30s, U.S. designers are showing slouch suits influenced by the great Paris designer, Chanel (LIFE, March 1, 1954), who, by persistently re-creating the comfortable style of her heyday, has once again attracted a considerable following.

Casual and easy-fitting—to make the wearer look younger, says Chanel—these suits have

pockets to lean on and hipbone-length jackets worn open wide. Blouses, an integral part of the outfits, are often specially designed for them (*taboret*). Made of soft tweed or jersey, the suits are worn with felt hats which fit the head or, more casual still, with no hat at all. Women who are used to trim suits may consider the slouch models untidy—and there is real danger that wearers who carry the fashion too far will wind up looking sloppy rather than casual.

CHANEL STYLE copied in U.S. is diagonal tweed suit with easy-fitting neck and wool jersey lining which matches wool jersey overblouse (Davidow, \$195).

CONTINUED





# NOW!

## At any stage of a cold... more complete relief!

New BROMO QUININE<sup>®</sup>  
with Vitamin C guarantees  
more complete relief  
than Aspirin  
or Any Cold "Remedy"!



Only Bromo Quinine  
relieves  
All these symptoms:

- 1 Headache
- 2 Fever
- 3 Runny, stuffy, sneezy nose
- 4 Muscular aches and pains
- 5 Tired feeling—temporary irregularity

### NEW!

Bromo Quinine is  
now fortified with  
Vitamin C...  
so vital to  
proper nutrition  
and good health



BROMO QUININE'S  
unsurpassed guarantee:  
1. More complete  
relief. 2. More im-  
mediate relief. 3.  
Longer lasting relief  
than aspirin or any  
other remedy sold or  
your money back

When you've got a cold  
—get a real cold tablet!



# NEW BROMO QUININE

## STYLISH SLOUCH CONTINUED

## HOW TO GAIN THE LOOK AT ALL PRICES



OVERSIZED HAT of white felt (Emme, \$60) is made with crushed crown and rippling brim framing the face.

Launched by America's top designers at somewhat rarefied prices, the easygoing slouch suit and slouch hat will be turning up at all price levels during the next couple of months. An inexpensive dead ringer for the new suit silhouette can already be put together from modestly priced separates (*below*), and versions of the extreme crushed felt hat (*left*), which was last popularized by Garbo in the '30s, will soon become available at department store hat bars.

A single basic suit can be made to act like several by wearing it, unbuttoned, over a variety of colored sweaters, T-shirts, fresh white silk shirts or softly tailored blouses. But in leaving the surefooted styling which goes with an expensive label, a customer selecting a suit this season should watch that the shoulders are natural and not too big, and that the hips, waist and shoulders are trim in fit. Appropriate finishing touches can be provided by polished leather accessories, a generous amount of jewelry, and hair worn smooth on top and close to the head.



ECONOMICAL REPLICA of spring's new style can be achieved with wool jersey jacket (\$23), slim skirt (\$12)

and an organdy blouse with Chanel-type bow (\$12, all Sportsworld). Pearls at neck, wrist are also part of the look.



# Look! "No-Stick" can

*...ham slips right out!*



The finest container made for the finest hams sold...  
an AMERICAN can for AMERICAN hams!



Thanks to Canco research, something wonderful has happened to whole canned ham. *Now* the ham slips right out! No prying or shaking, no trouble at all. You'll be delighted with the convenience of this unique Canco container. What's more, this advanced "No-Stick" Can is also *much easier to open*. A new type tear-strip winds smoothly, never "spirals." Let this quality container be your dependable guide to the most delicious ham you can buy—*American* hams packaged by *American* firms!



Much easier to open, too!

To be sure you get this new convenience

look for the oval on the can

American Can Company



# LOOK!

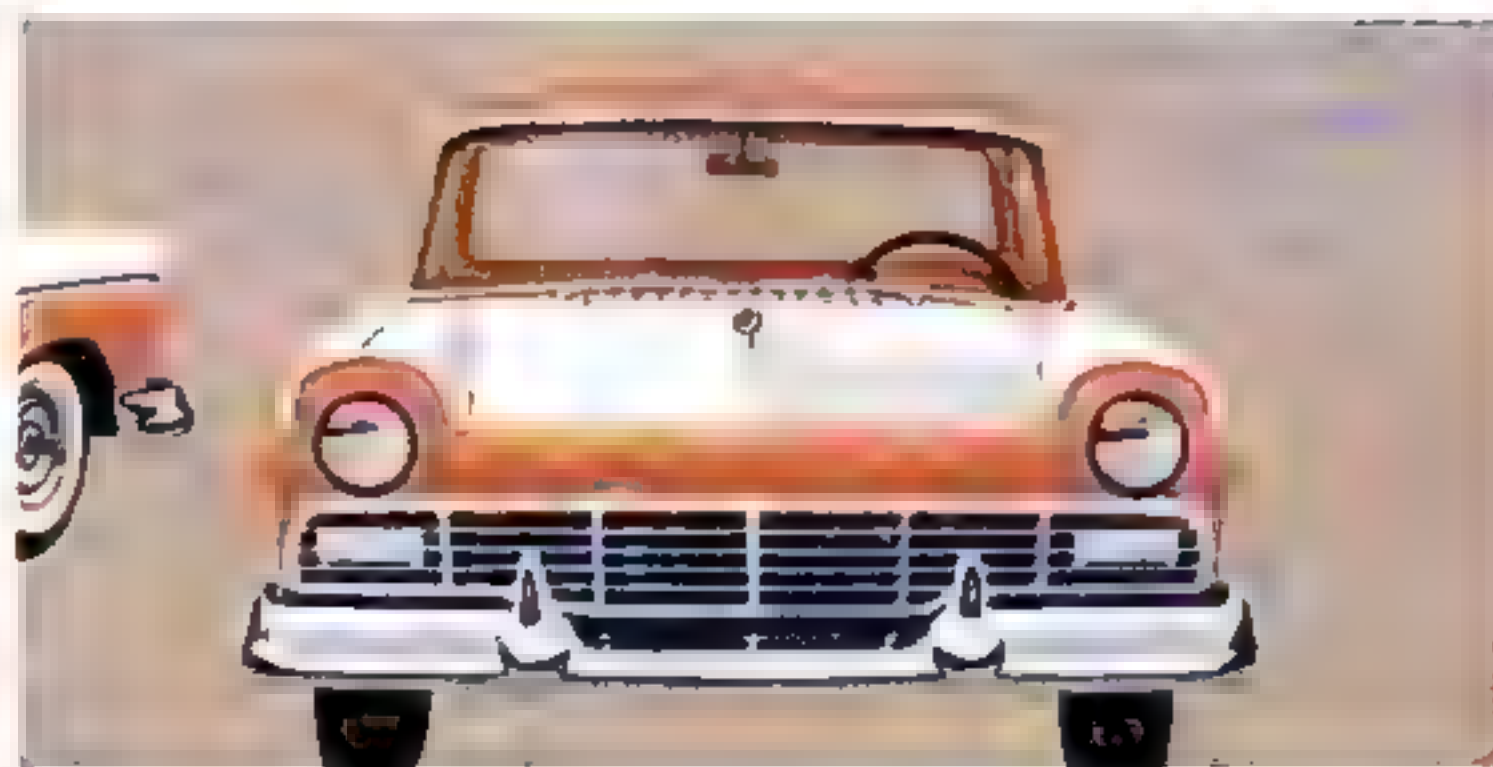
...more  
...more



# LOOK again! IT'S THE



**HAULS LIKE A TRUCK!** No need to hold back on load. Pile it on—the Ranchero packs a greater payload than many standard pickups! Power aplenty, too—modern Short Stroke 144-hp Six or either of two Short Stroke V-8's, up to 212 hp. Fordomatic or Overdrive available at extra cost.



**HANDLES LIKE A CAR!** Ball-joint front suspension and outboard-mounted rear springs—first time on any pickup—give true passenger-car ride. Cab interior is exactly like that of the '57 Ford Ranch Wagon. Power steering, power brakes, power seat and power windows available at extra cost!



**than a car  
than a truck**



# **NEW FORD** *RANCHERO*

Looking at the boldly modern styling of the new Ford Ranchero, you may find it hard to believe that it's actually a man-sized truck, built to do a man-sized job. But it won't take you long to find there's a lot of heft behind the Ranchero's glamour.

It carries more than half a ton. That's more capacity than many standard pickup

trucks offer you. The all-metal body floor is over six feet from front to back. Loading height is less than *any* pickup. No matter how you look at it, the new Ford Ranchero is a real workhorse.

And it's a show pony, too! The Ranchero looks, rides and handles like a passenger car. Its low, crisp lines and distinctive profile

have a wonderful way of saying how progressive you and your company are.

The new Ford Ranchero is surprising in many ways, not the least of which is its low price. Never before has so much style and luxury been packed into so rugged a vehicle at such a low price. See the Ranchero at your Ford Dealer's now!

***First of a great new line of***  
**FORD TRUCKS *for* '57**



Clearer pictures, richer sound,  
now bring new excitement  
to TV viewing!

# HOTPOINT Hi·Vi\* TV

\*"Hi·Vi" stands for "high" and "vivid"—Hotpoint's new word describing a new high in vivid, lifelike pictures—and a new high in vivid, realistic sound. "Hi·Vi" promises in TV what "hi-fi" promises in recordings.

You get exactly what you've been looking and listening for, in new Hotpoint Hi·Vi TV. New high in vivid pictures, up to 80% brighter. New high in vivid sound that surrounds and thrills. Plus every major TV development of the past 11 years!

These include Power Tuning, to change channels at the touch of a button; Automatic Matched Sight 'n Sound, which brings in perfect sound to match perfect picture; Automatic Focus, to keep picture and sound in perfect adjustment; new interference-rejecting circuits that eliminate picture jitter and flopover.

And there are many more. Add them up, and they more than fulfill Hotpoint's promise of an entirely new concept in TV pleasure!

Best of all—Hotpoint Hi·Vi TV prices start as low as \$99.95 (slightly higher, West and South).

See your dealer about trading now for the new excitement of Hotpoint Hi·Vi TV!

\*Manufacturer's suggested retail price



**PERFECT SECOND SET** for your family is this new Hotpoint deluxe Portable. Big screen for family viewing, plus big-set features and performance—yet it weighs only 26 pounds for *real* portability! Choice of colors. 96 square inches of viewable picture area. Shown: Model 14S203.



**HOTPOINT TABLE MODEL TV**, in handsome ebony cabinet with gleaming control panel of unusual beauty. Offers you the thrill of Hotpoint Hi·Vi performance at a price far below what you'd expect. 261 square inches of viewable picture area. Shown: Model 21S401.



**MAGNIFICENT CONSOLE**, this Hotpoint model has Power Tuning, optional Remote Control, Bass Range Extender, and all the rest of Hotpoint's advanced features. Rich Mahogany or Light Oak wood veneers. 261 square inches of viewable picture area. Shown: Model 21S401.



**REMOTE CONTROL** (optional equipment) lets you operate Hotpoint Power Tuning from anywhere in the room. **POWER TUNING** changes channels at touch of a button.

**Hotpoint HI·VI TV**

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Cupboards • Dishwashers • Air Conditioners • Vacuum Cleaners  
and Freezers • All Appliances • Accessories



MUSIC



WHILE HIS GENERAL STAFF (RIGHT) AWAITS HIS DECISION, PRINCE KUTUZOV (KENNETH SMITH) CONSIDERS WHETHER TO DEFEND OR ABANDON MOSCOW

## An epic Russian opera is a U.S. TV triumph



STERN NAPOLEON (Leon Leshner) confidently makes victory plans before marching on Moscow.

Some eight million music lovers stayed home the Sunday before last to attend the U.S. premiere of the late Sergei Prokofiev's *War and Peace* as the NBC Opera Company produced the finest musical event in TV's 10-year history. Tolstoy's massive novel had been pared to libretto size by Prokofiev's poet-wife Mira Mendelsohn, and the composer had shortened his earlier eight-hour work to a manageable length shortly before he died in 1953. But *War and Peace*, done on TV in an English translation, was still two and a half hours long, one hour less than last year's movie version.

Episodic in form and richly melodic in its score, *War and Peace* was splendidly sung and acted by a cast of 93 directed by Kirk Browning and conducted by Peter Herman Adler. Having given the premiere of a Russian work, the NBC singers will next month present the first performance of a 90-minute opera by a 26-year-old American, Stanley Hollingsworth.

LAUGHING NATASHA (Helena Scott) flirts with Anatol (Davis Cunningham) at opera's party.



CONTINUED





MARCHING GRENADIERS of Moscow, cheered by peasants, pass in review as they follow their standard bearers into fighting lines to oppose Napoleon's

approaching armies. Production was elaborate, requiring 2 separate sets ranging from a ballroom to a battlefield. Cloris doubled as French and Russian soldiers,



SNOWY SURVIVORS of French defeat, soldier aids a wounded officer as pair retreat from Moscow.

SNOW SPRAYER, a stagehand, whitens the officer with spray can before revised retreat begins.







Fishing through the ice in ITASCA STATE PARK, Minnesota. Car is standing on frozen Lake Itasca, famous source of the Mississippi River. Swimming and boating in season, fishing all year 'round, guided tours, sports, camping. Write: Minnesota Dept. of Conservation, St. Paul, Minn. Photo by Ivan Dmitri.

## ENJOY YEAR-ROUND FUN WITH THE C.I.T. PLAN

There's no closed season on fun when you drive a new or better used car. Plan to buy that car out of income now—through the C.I.T. Time Purchase Plan—the Plan that has helped over 15 million people enjoy carefree driving.

Ask the dealer from whom you buy your car to finance it on the C.I.T. Plan. He can make all the arrangements easily and quickly in his showroom. The complete C.I.T. Plan protects you, your family and your car investment seven important ways.

### YOU GET ALL THESE BENEFITS WITH THE COMPLETE C. I. T. PLAN

**1. THE BEST CAR INSURANCE SERVICE YOU CAN GET.** Your car is insured against collision, fire, theft and many other causes of loss. No shopping for bids in case of accident. Repairs made promptly and completely by your own dealer.

**2. TOWING AND ROADSIDE HELP.** You are repaid up to \$10 for service costs if your car breaks down on the road.

**3. "BORROWED CAR" PROTECTIONS.** You, or any relative living with you, get all the foregoing protections when using a borrowed passenger car. (Not avail-

able to purchasers in Massachusetts or Canada.)

**4. ESTABLISHED CREDIT.** You can request any one of our offices to pay a bill for emergency car repairs. You repay in convenient monthly instalments.

**5. LIFE INSURANCE.** Your family will own your car outright without further payments in the event of your death while this insurance is in force on your life.

**6. CASH BENEFITS IN PERSONAL ACCIDENTS.** You are covered by a Limited Travel and Pedestrian Accident Policy, in case

of your death or loss of sight or limbs from many traffic accidents. (Not available to purchasers in Ohio or Calif.)

**7. HELP IN LEGAL DIFFICULTIES.** You can get bail bond up to \$5,000 at no extra expense if you, or a member of your family, are held in custody on traffic charges. (Not available to purchasers in California or Canada.)

**LOCAL SERVICE.** Anywhere you drive in the U. S. or Canada, there's one of C.I.T.'s 465 offices nearby to give you immediate action and assistance on these protections.

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ALL AUTO DEALERS  
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COURTESY • INTEGRITY • THRIFT  
SINCE 1908





# THE MANY USES OF WINTER

People all over find odd employment for an icy nuisance

To the motorist spinning his wheels in furious frustration, to the salesgirl sloshing to work, to the farmer trying to get feed to his scattered cattle, winter is a useless pestilence to be met only with the patience of Job. But to many people, in strangely unexpected ways, the frosty season proves useful and sometimes provides a means of livelihood.

Much of winter's utility is immediate. A frozen lake forms a solid platform for conservationists who must reach its deepwater life, for construction workers trying to span it and for sportsmen who enjoy winter fishing

through the ice. The season's snow can become a sculptor's medium or a frozen roadway that eases the life of a logger.

But the season also has long-range value. In regions with little summer rainfall, measuring the snow on the watersheds indicates how much irrigation water there will be for the planting season. And against a white backdrop that covers the summer's hiding places, game wardens can estimate a state's wild animal population. This photographic report on the season's utility shows people all across the country who are putting winter to work.

Photographed for LIFE by ELIOT ELISOFFON







**FISHING SHACKS**, with light and heat, dot Lake Charlevoix on Michigan's lower peninsula, are reached via an avenue of discarded Christmas trees planted in ice. Fishermen can count on 60 pounds of smelt a night.

**CONSERVATIONISTS** saw holes in the ice of Wisconsin's Lac du Flambeau. Through the holes they lower log cribs stuffed with brush to form breeding places for small fish that the larger game fish seek for food.





**COLD-WEATHER CATCH,** second largest sturgeon ever taken through Michigan ice, weighs 165 pounds. It is shown by Lawrence Van Dettien of Indian River, who lured it to hole in Burr Lake, killed it with broad spear.



**HOT SYRUP,** formed after boiling down maple sap, is sprinkled on the snow by New Hampshire farmer Carl Fogg. Striking the snow, it freezes to form "feather aprons" which children love to gather up and gobb







**FLEEING HERD** of Montana elk, sharply silhouetted against snow, is readily counted by an airborne warden. This census helps to determine whether next year's hunting season should be restricted or lengthened.



**NATURAL ICEBOX** is provided by winter cold for farmers like Joseph Graham of Bixby, Okla., who, lacking freezer storage facilities on the farm, take advantage of seasonal refrigeration for slaughtering the hogs.







**PURSUING PREDATOR**, a Minnesota warden follows a timber wolf in a Piper Super Cub 130. The white landscape affords no hiding place and wolf finally drops exhausted, making easy target as warden circles above.

**THE PRIZE** hangs from skiplane's struts as it starts take-off after kill. Wolves bring hunters a \$35 bounty in state. Wardens shoot them from the air to keep the population down but not to exterminate it entirely.







CONTINUED





**SUMMER'S WATER**, which thaws will loose in Montana's Hel. Raring Divide, is gauged by rangers who enter area in Sno Cat (*left*), drive tubes to measure snow depth, weigh them (*above*) to record its moisture content

**WINTER SCULPTURE** (*right*) of swans for which East Jordan, Mich. is noted is made by Teacher Parker Seiler, who brushes loose snow off the 16-foot birds & formed by packing wet snow and allowing it to freeze









**EASY LOGGING** is offered by the snow that blankets the Fair farm near Fraser, Colo. Cutting timber is quicker when the sap in the trees is frozen and the cold weather helps to preserve timber until it can be shipped.

**STEADY SIGHTLINE** is assured for Merritt Chapman & Scott surveyors by frozen Mackinac Straits as they measure degree to which piers of new bridge under construction have settled. Span will be the world's longest.











*An announcement of importance from Dave Garroway*

**At 9:30 A.M. Monday,**

# First Admiral

See Dave Garroway  
Star of NBC-TV  
**'today'**



THE ADMIRAL EMBASSY 21" CONSOLE ENSEMBLE  
Top Front tuning • Super 200 chassis • Wide range FM  
sound system • Model T23A1 in Charcoal Finish • Sug-  
gested list price \$202.45 • Also available in Mahogany  
and Blonde Oak Grained Finishes.



January 28th your Admiral dealer begins his

Surprise Value

Sale!



What a surprise your Admiral Dealer has waiting for you on January 28! He's put special "Surprise Value" price tags on his brilliant new 1957 Admiral television sets. What kind of prices? The

kind you've been waiting for—a real break in the price of black-and-white television!

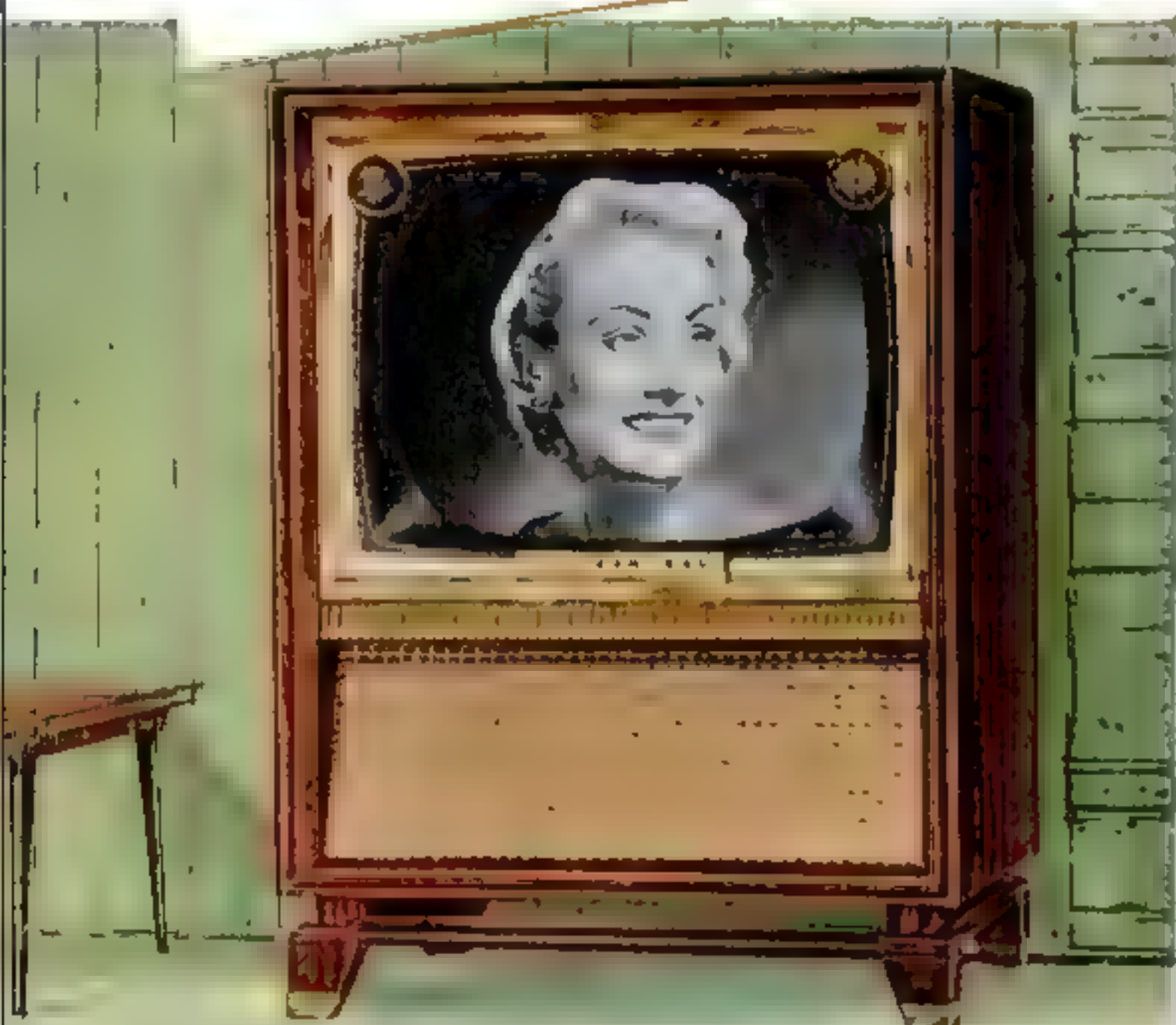
Each set has all the electronic achievements that have marked Admiral as a world leader in television. You'll find captivating cabinetry, too, and a lavish selection of lustrous finishes. But quantities are limited on some models. So make a mental note to see your Admiral Dealer when his "Surprise Value" sale opens.

It'll be first come, first served, beginning at 9:30 A.M. Monday, January 28!

**Admiral®**

\*Overall diagonal. Viewable area 96 1/2 sq. in.

†Slightly higher in South and West ...subject to change without notice



**THE ADMIRAL MARQUETTE 21\***

Rich cabinet styling • Dual speaker sound system • Lighted, easy-to-see channel dial for easy tuning • Push button On-Off • New Imperial 400 chassis • Model C323B26 in Mahogany Grained Finish • Suggested list price \$339.95† • Also available in Blonde Oak Grained Finish.



**THE ADMIRAL CHATEAU 21\***

Lazy Susan Swivel • Lighted, easy-to-see dial • Dual speaker sound system • Golden Picture Frame • New, deluxe 300 chassis • Model C323A16 in Mahogany Grained Finish • Suggested list price \$289.95† • Also available in Blonde Oak Grained Finish or Genuine Sierra Veneers.



**THE ADMIRAL SORRENTO 21\***

Top Front tuning • Smart "off-the-floor" styling • Super 200 chassis • Local-Distant switch • Wide range FM system, sound beamed to your ear • Model C23A11 in Walnut Grained Finish • Suggested list price \$219.95† • Also available in Mahogany and Blonde Oak Grained Finishes.





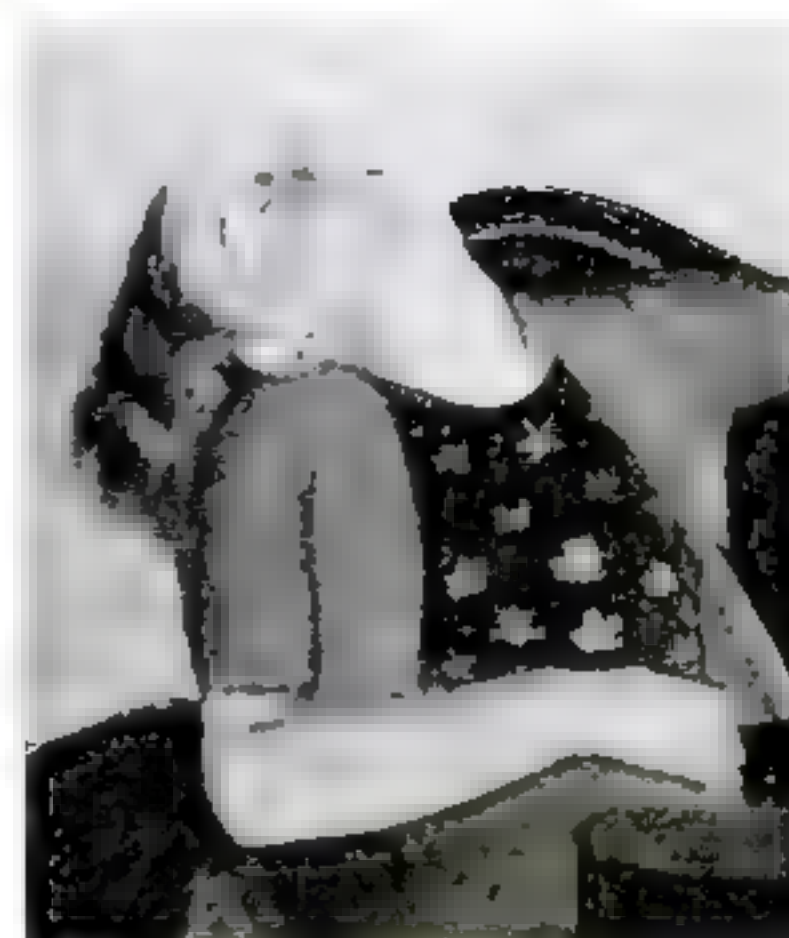
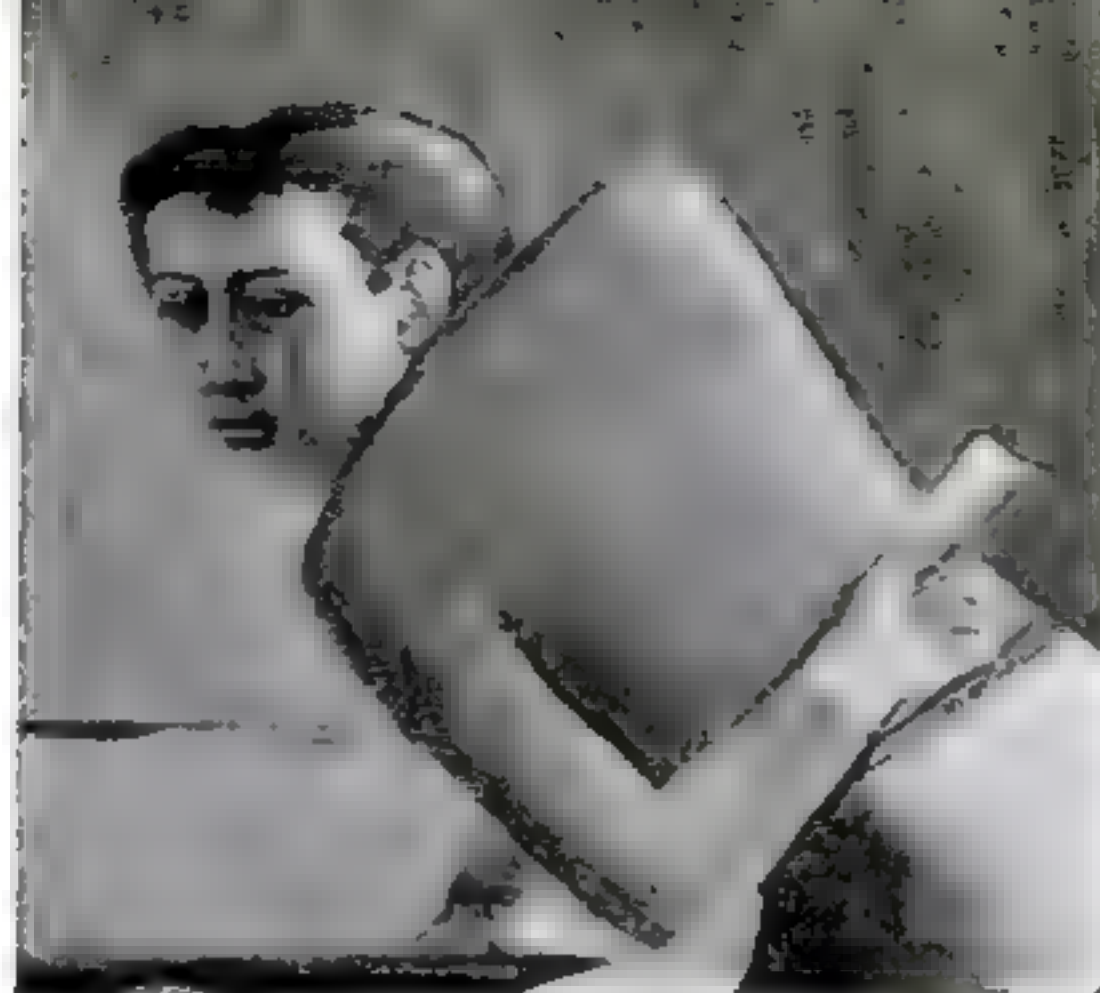
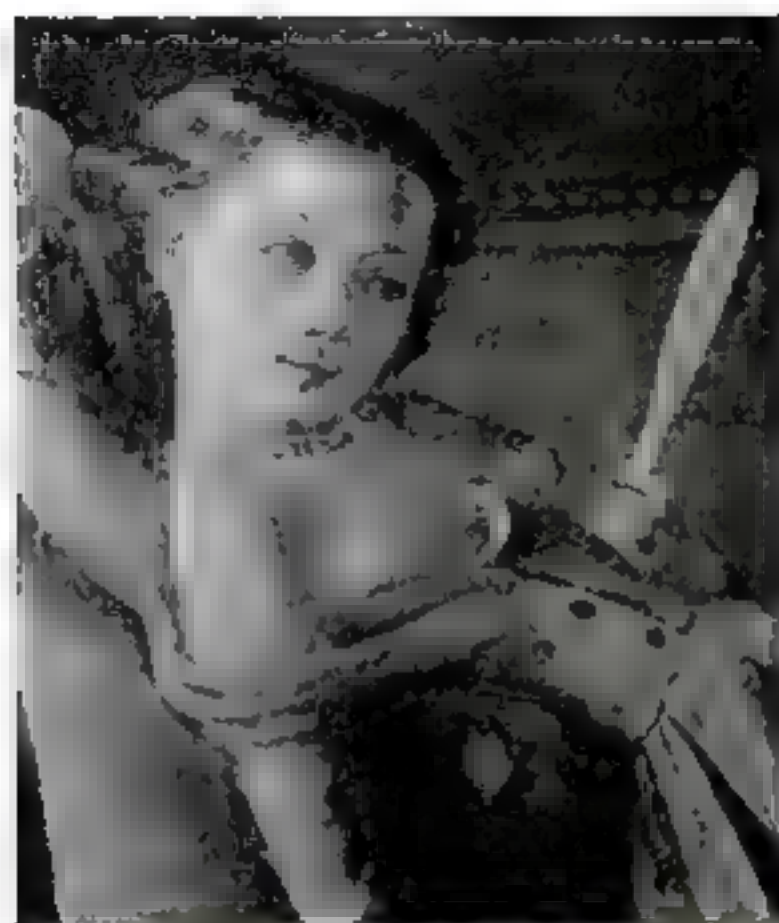
Soft as a cloud... the swirling *mousse* de soie negligée specifically designed for Scott.  
And soft as a cloud... the matching Soft Weave Scott's superior facial 'party' 2-ply-napkin  
tissue. Choose from five lovely Soft Weave colors to complement your bath or powder room.

*Probably the most noticed luxury  
in your home...*

**Soft-Weave® by Scott**







## Child's World in a Trance



BALTHUS IS DESCENDANT OF POLISH NOBILITY

### BIZARRE BALTHUS PAINTINGS GET FIRST BIG U.S. SHOWING

The peculiar postures of the young people and adults on this page, seeming to be suspended in an enigmatic world of trancelike solitude, are the trademarks of a remarkable French painter, Balthus Klossowski de Rola. They are details from six of his paintings and they dramatize Balthus' incessant preoccupation with the looks and attitudes and curious interests of youngsters growing into adolescence. Since the days of his own adolescence, Balthus, who is now 49, has spent much time in solitude, evolving his distinctive style and his mature approach to the introspectiveness of immaturity. The results have made him famous in Europe and have now earned for him a major American exhibition at New York's Museum of Modern Art.







the one  
CREME de MENTHE  
that tastes  
best of all/



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original old-world formula by "The most  
celebrated name in cordials since 1695"

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FRUIT FLAVORED BRANDIES • NATIONAL DISTILLERS PRODUCTS CORP., N. Y.

## WORLD IN TRANCE CONTINUED



**LIVING ROOM**, details from which are shown on preceding page, includes favorite Balthus subjects: children in rigid attitudes and an inscrutable cat.

## AN EARLY START FOR ART

Balthus says he has been an artist as long as he can remember—he had a book of his drawings published when he was 13. His parents were artists and his childhood was spent in a world frequented by such painters as Bonnard and Derain. Though he occasionally paints a portrait or a landscape, he always returns to his eerie world of children. "Some say my paintings are sinister and abnormal," he remarks. "But I have had the same vision since I was 4. Perhaps that is abnormal."

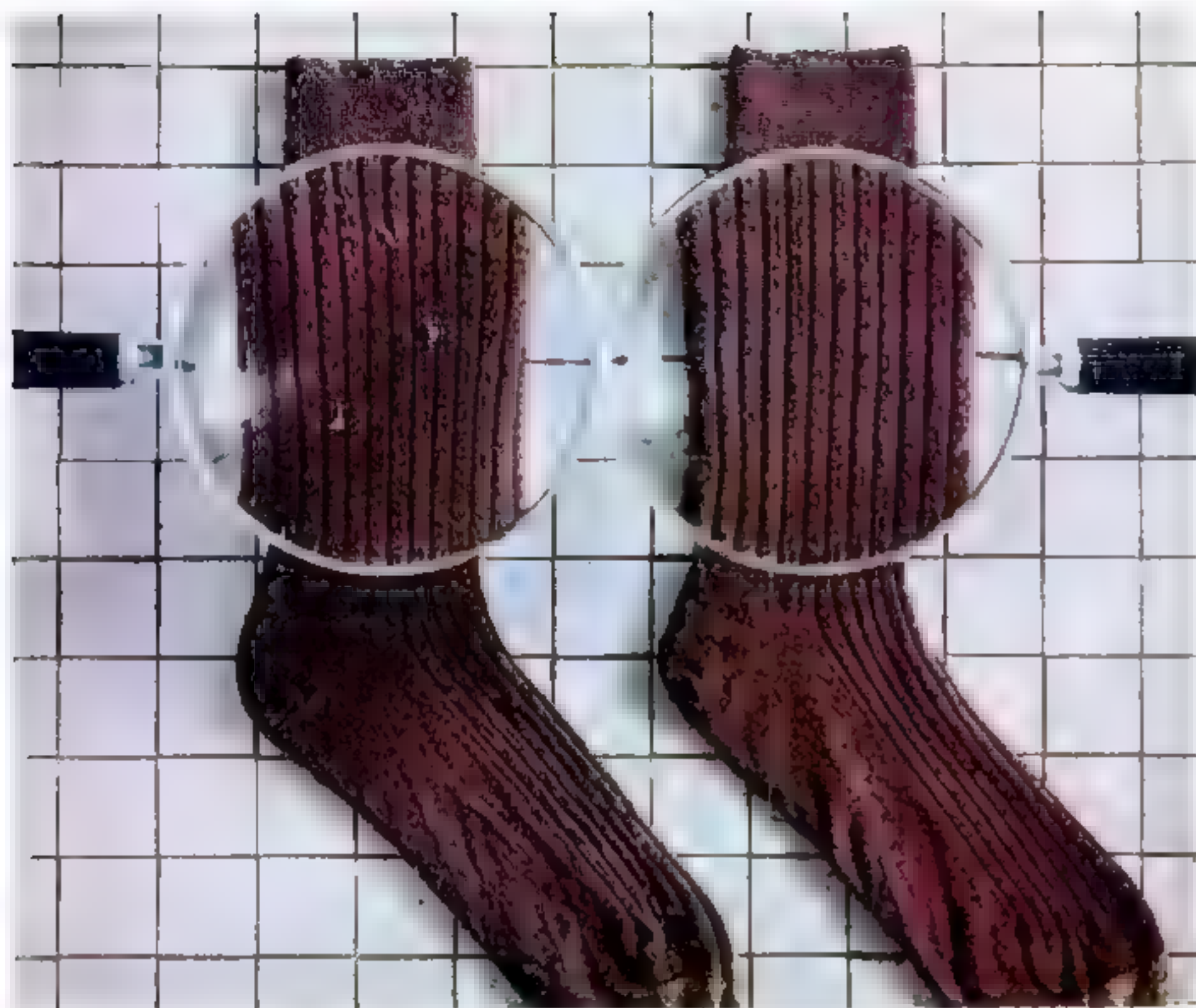


**ARTIST ANDRE DERAINE** posed for Balthus while a model waited to pose for Derain. Derain, who died in 1954, was important influence on Balthus.

CONTINUED



# NO LINT FUZZ ON CLOTHES!



**Not the "lincy water" way . . .** This sock looked like this—dulled and discolored by lint fuzz after seven washings in an ordinary washer. Unsightly lint is hard to brush off dark clothes.

**But the "clean water" way . . .** This identical sock looked like this after seven washings the General Electric Filter-Flo Washer way in an identical washload. *Practically no lint!*



**Striking new design.** Fingertip Selectors for wash speeds, temperature, water savings. Over 50% more clothes capacity than in many automatics. Five-year written warranty on transmission. Filter-Flo

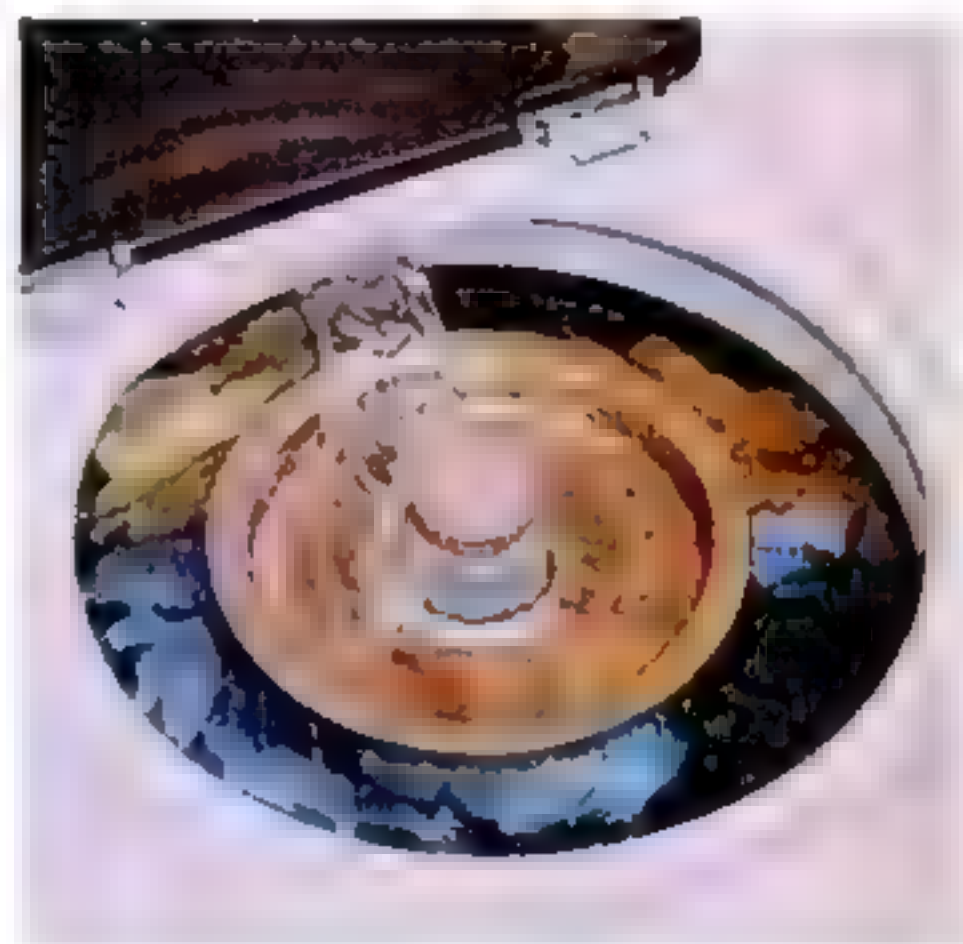
Washer, about \$3.35\* weekly. With Suds Return System, slightly higher. Matching Automatic Dryer about \$2.70 weekly. Buy pair, take 36 months to pay. Mix-or-Match colors or white.

**1957 General Electric  
Filter-Flo® Washer cleans  
and recleans wash water  
to give you cleaner clothes**

Lint is caught in the filter—not on your socks, linens and cottons. Sand and soap scum are removed automatically.

As you wash, the marvelous General Electric Filter-Flo Washing System circulates and filters the wash water at the rate of 6 gallons a minute. Before lint can settle on clothes, it is caught in the filter which lets cleansed sudsy water flow back into the washbasket.

Your family wash comes out wonderfully clean and bright! You'll marvel at the results!



**Removable filter**—easy to clean. Fits into place after clothes are placed in washer, slips out after wash is over for easy cleaning. Also dispenses detergent evenly dissolved throughout the wash.

**2 wash speeds . . . 2 spin speeds**—You can select either Normal or Slow Activator® Washing Speeds . . . either Normal or Slow Spin Speeds . . . to suit all types of fabrics. Flexible settings let you wash everything "just right." Nylon without setting wrinkles. "Fragiles" without fraying. Blankets without "felting." Saves you hand washing.

**3-Way Water Saving**—Water Saver Control can save over 20 gallons on small loads. Choice of Warm or Cold Water Rinses. And General Electric's new optional Automatic Suds Return System lets you set aside hot sudsy filtered water for a second wash, if you wish. General Electric Company, Appliance Park, Louisville 1, Kentucky.

\*After small down payment. See your dealer for his prices and terms. Most models available in Canada.

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## 5 stages of the common cold

## SNEEZING, 1 STUFFY SNIFFLES NOSE

## SORE 2 THROAT

### CONSTANT 3 COUGHING

**TIGHT 4 CHEST**

## MUSCULAR 5 ACHES



**A new idea in  
cold medicine.  
Brings you feelable  
relief in minutes**

**IT'S LIQUID**—goes to work faster

**IT'S POWERFUL**—unites the powers of several *proved* ingredients.

**IT'S COMPLETE—**  
takes the place of  
nose spray, anti-  
histamine, gargle,  
cough syrup,  
chest rub and  
pain reliever

**ONLY \$100**



Copyright 1955  
Pharmaceutical Company  
Batavia, Illinois

**WORLD IN TRANCE** CONTINUED

**HIDEAWAY** for Balthus is a 17th Century chateau 200 miles southeast of Paris, where he pays \$200 a year for rent. His wife and two teen-age sons live in Switzerland where Balthus spent part of his youth.



**COMPANIONS** for artist are eight cats and niece, Frédérique Tison, who is studying art. Cats are frequent models for Balthus and his niece occasionally poses. But most of his art evolves from memory.



# Sealy 76th ANNIVERSARY Twin Bed Ensemble

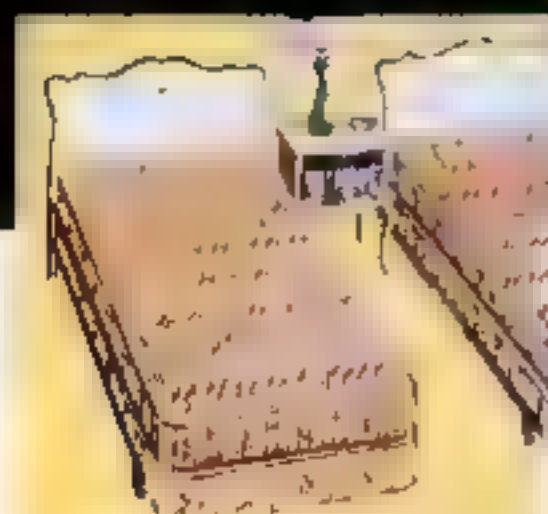
WITH BUTTON-FREE MATTRESS

**\$89<sup>95</sup>**  
COMPLETE



## A COORDINATED PROVINCIAL SET...SPECIALLY PRICED!

Look what Sealy gives you at this unbelievably low price! A tufted, washable headboard, Sealy button-free mattress and box spring, all covered in the same charming decorator designed Provincial print, plus a sturdy steel frame...all for only \$89.95! Beautify your bedroom this budget-wise way during Sealy's 76th Anniversary Sale!



ALSO AVAILABLE WITH TUFTED  
WASHABLE PLASTIC HEADBOARD

Complete: Headboard, Mattress,  
Box Spring and Steel Frame

FOR A LIMITED TIME ONLY

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MADE BY THE MAKERS OF THE \$79.50 SEALY POSTUREPEDIC®

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Williamsburg  
Con-sealy-bed  
in same Provincial print  
with \$79.50 quality Posturepedic mattress  
... sleeps two comfortably! \$299.50

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## Relax with the *Light* refreshment

WHAT fun an evening by the fire can be with today's relaxed people. They're at ease about so many things—even keeping slim. Their modern taste for lighter, less-filling food and drink lets them show a good figure every time.

Today's Pepsi-Cola, reduced in calories, goes right along with this sensible modern trend in diet.

Never heavy, never too sweet,  
it refreshes without filling.  
Have a Pepsi!



**Pepsi-Cola** refreshes without filling







MONGRELIZED XOLO IS HAIRLESS, HAS SQUAT, AWKWARD FIGURE



PUREBRED HAIRLESS XOLO HAS GRACEFUL LINES, ERECT EARS

# HAIRLESS DOGS REVIVED

The all-purpose dog of the Aztecs becomes a modern Mexican pet

In Mexico City one of the world's oldest and rarest dogs, the Xoloizcuitle, or large Mexican hairless dog, has staged a comeback. Completely naked except for a fringe of hair on its head and tiny tufts between its toes, the Xolo is descended from dogs believed to have been brought to Mexico by ancestors of the Aztecs when they migrated from Asia 20,000 years ago. A decade ago the Xolo was almost extinct. Then Norman Wright, British military attaché in Mexico City, found some of the dogs in remote villages, and by careful selection developed a thriving breed.

In their prime the Xolos were all-purpose dogs for the Aztecs. Fattened up, they were served as delectable dishes for special meals. Having an exceptionally warm body temperature (104°) to compensate for their lack of hair, they were used as hot-water bottles—the fact that Xolos have no fleas made them attractive for this purpose. Thought to have supernatural powers, the dogs were used as charms to ward off diseases and as guides for the dead, leading them through the underworld into heaven. Now used only as pets, the Xolos bring as much as \$200 apiece.

PRIZE-WINNING BITCH, LAMPI, NURSES A PAIR OF 10-DAY-OLD PUPPIES, WHOSE RUBBERY WRINKLED SKIN WILL FILL OUT BY THE TIME THEY ARE A YEAR OLD





# Looking for Something?



## AUTOMOBILES- RENTAL

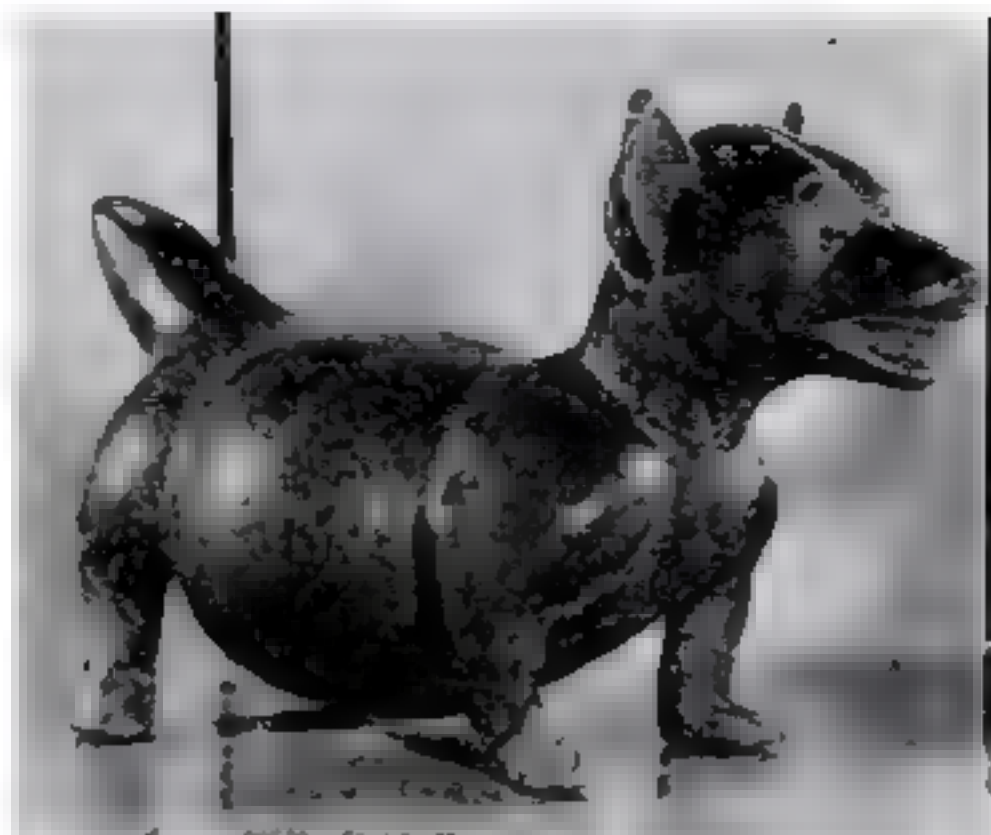


## FROM AUTOMOBILES TO TRAILERS WHATEVER YOU NEED

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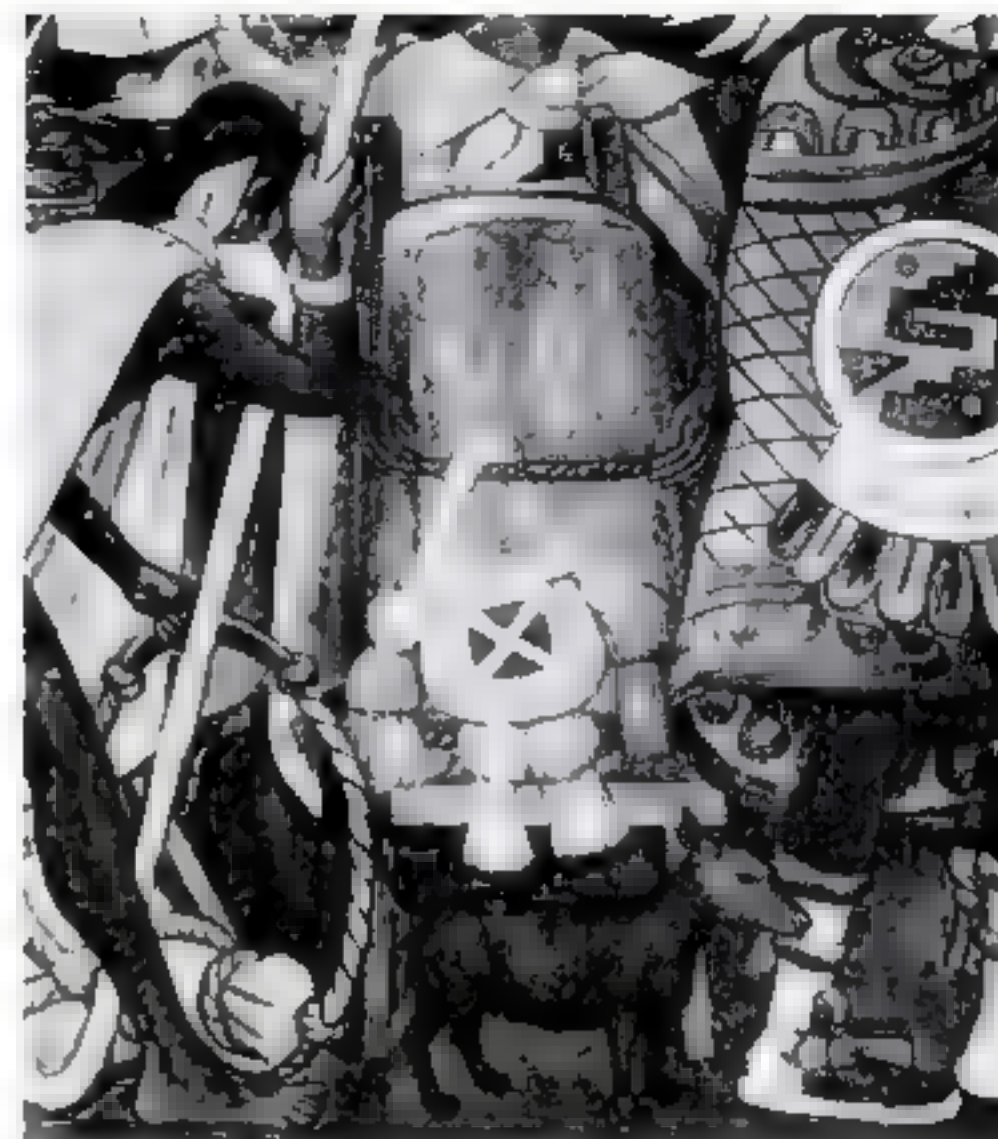
Ads with this emblem  
make your shopping easier

## HAIRLESS DOG CONTINUED



**2,500-YEAR-OLD FIGURINE** of hairless dog, a caricature of a Xolo, was found in a tomb of southwestern Mexico.

**MODERN MURAL** by Diego Rivera in Mexico City's National Palace shows Xolo between two Aztecs.



**SEVEN-MONTH PUPPY**, Antojito, belonging to Xolo enthusiast Countess de Premio Real of Mexico City, has

floppy ears, which will become erect after one year. Xolos are intelligent, friendly dogs, make excellent companions.



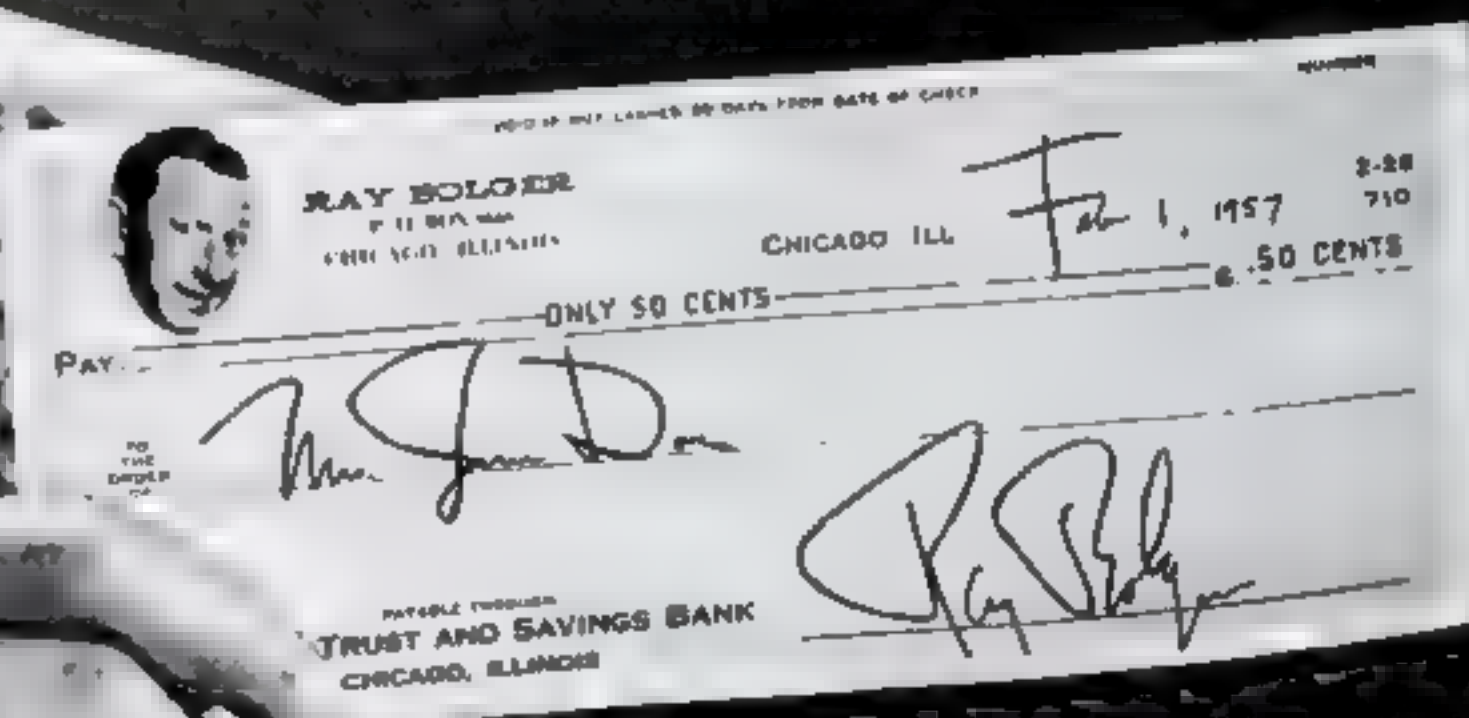
# SAVE 50¢

on the hair spray that  
trains your hair!



**RAY BOLGER** says...

"Girls... I'll send you my  
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Helene Curtis **SPRAY NET** does more for you than any mere pincurl spray set. Sets longer lasting pincurls. Holds your waves in place. And here's the wonderful plus: thanks to an exclusive "control ingredient", every silky spray *trains* your wave to remember its place from shampoo to shampoo! Try **SPRAY NET** and you'll never, never go back to "just a hair spray". Try it now—and save a great, big fifty cents.

Here's All You Do:

Get Helene Curtis **SPRAY NET**—Super Soft or Regular—in the \$1.25 size. Then take off the label and send it to Ray Bolger, Box 8668, Chicago, Illinois.

You'll get Ray's own personal check for 50¢ right away. (Only one to a family!) Offer ends March 31, 1957. Limited to **SPRAY NET** purchased after January 1, 1957.

**SAVE ON GIANT ECONOMY SIZE TOO!**  
Giant 11 oz. size now on sale  
for limited time at only **\$1.69**  
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Choose the formula that's right for you  
**SUPER SOFT** trains most hair and  
hair styles beautifully.  
**REGULAR** for hair harder to manage.

*Helene Curtis* **spray net**®



See Ray Bolger  
on Helene Curtis' New TV Show "Washington Square". Alternate Sundays—NBC-TV.



**GOT A COLD?**

**NOTHING  
WORKS**

**LIKE**

**MENTHOL**

**TO BRING YOU FAST RELIEF**



Unlike "candy" cough drops, Luden's Menthol Medication actually works to clear up your nose, soothe your throat. Get this fast, medicated relief today.

**More People Rely On Luden's  
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**SEE WITHOUT GLASSES!**



Now it's so easy with invisible

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Free booklet tells how you too can stop wearing glasses! Learn how easily thousands just like yourself improved their looks... and their sight... with natural, invisible comfortable Vent-Air Contact Lenses... the advanced new lenses recommended by eye specialists all over the world.

Fill out the coupon below for the free, illustrated booklet.

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screens  
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**IN 20 SECONDS**  
with just a touch of  
**ORA-JEL**

RELIEVES ADULT TOOTHACHES JUST AS FAST

72 COLOR AND DESIGN COMBINATIONS

NO PASTE—NO WATER—NO MESS  
A thousand decorating uses  
in every room—in every home

SELF-ADHESIVE  
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Fabulous New PLASTIC  
Decorating Material

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STORES EVERYWHERE

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**ACTRESS AT PRACTICE** CONTINUED

## LONG ROAD TO STARDOM

Natalie Wood started as an extra when she was 4, scored her first big success at 6 in *Tomorrow Is Forever* when she stole scenes from Orson Welles and was hailed as Hollywood's newest wonder moppet (LIFE, Nov. 26, 1945). She sailed over the growing-up barrier that ends the careers of most child actresses and has never been out of work since.



**TINY EXTRA** Natalie, 4, charms Director Pichel on *Happy Land* set.



**BIG ROLE** came at 6 with Orson Welles in film *Tomorrow Is Forever*.



**TALLER** at 10, she was with Tom Tully in *Scudda Hoo! Scudda Hay!*



**LOVING DAUGHTER** of Jimmy Stewart, she played in *Jackpot* at 12.



**A PEST** at 12, she baits Fred MacMurray in *Never a Dull Moment*.



**SCHOOLGIRL**, at 14 she played with Miss Barrymore in *Just for You*.



**STAR'S ROLE** at 17 was in Jimmy Dean's film *Rebel Without a Cause*.



**IN CURRENT FILM**, *Girl He Left Behind*, she plays with Tab Hunter.





LOWER IN CALORIES  
THAN ANY OTHER  
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Non-fattening *Libby's* .... 3 times a day...  
makes it easier to stay with your slimming program

Less than 40 calories to the 6-ounce glass. And extra velvety-rich Libby's is so satisfying it banishes between-meal hunger. Gives needed vitamins and minerals, too. Reasons aplenty why so many slimming ladies love Libby's. *Libby, McNeill & Libby, Chicago 9, Illinois*









**PRACTICING IN A PARK**, Natalie mounts a wall and demands vote for 18-year-olds. Listeners took her seriously at first and asked questions while fellow students checked performance in the crowd.

# The Strange Doings of Actress at Practice

## FRIENDS HELP NATALIE WOOD POLISH DRAMATICS

The strange activity on these pages looks like play and is fun. But it is also hard and serious work—the business of learning the actor's profession. No one in Hollywood works at it more devotedly than Natalie Wood, who at 18 is a veteran of 14 years in the movies.

Together with two other talented young performers, Nick Adams, 23, who last appeared in *The Last Wagon*, and Dennis Hopper, 20, last seen in *Giant*, Natalie studies as many as 10 movies a week. Evenings the trio meets in each other's homes and reads from the classics.

Then they roam out on the town to practice.

They make speeches to street loungers to see how well they can handle audiences. They seek captive audiences in elevators and act brief and startling scenes before them. They prowl skid row seeking characters to re-create. Then they hurry home to criticize each other's performances and to act out what they have seen. Dedication to acting has rewarded Natalie. With her last five pictures, dating from *Rebel Without a Cause* to the current *Girl He Left Behind*, she has become a full-fledged star.

← **SWINGING A SPOOF** at movie *Trapeze*, Natalie flies low as Hopper (left) and Adams cling to rafters.



**PICTURE-WINDOW DRAMA** in Adams' home finds Natalie being mugged by her fellow students.



**SEEKING CHARACTERS** to re-create. They watch police round up derelicts on a Los Angeles street.



**RAISING HAIR** in an elevator, Adams shocks the passengers by telling Hopper his mother is dead.



**NIGHT'S WORK OVER**, three sit in lunchroom at late hour, covertly studying people about them.



## ACTRESS AT PRACTICE



**STUDYING AT A SHOWING** of *Streetcar Named Desire*, Natalie leans toward Hopper to discuss something new she has noticed in the acting of Vivien Leigh.

Natalie can privately see almost any movie any time at her studio, Warner Bros. She has seen *Streetcar* some 20 times, and Miss Leigh rates as her favorite actress.





# Something new you can do with Jell-O!

**Another treasure** to add to your collection of favorite desserts . . . and it's all made with Jell-O Gelatin Dessert! It's called Jewel-Top Jell-O.

**This shimmering new dessert** is easy and fun to make. Just prepare a package of Jell-O as directed on the package. (We used the delicious new Black Raspberry flavor.) Set aside  $\frac{3}{4}$  cup for topping, then pour the rest into four sherbet glasses and chill until firm. Meanwhile, chill the  $\frac{3}{4}$  cup until it is slightly thickened, then whip until light and fluffy.

Remove the set Jell-O, and with a small rounded spoon (a  $\frac{1}{2}$  tsp. measuring spoon is perfect), scoop out circles of Jell-O from around the edges of the sherbet glasses to form the scalloped border you see in the picture.

Now just spoon the whipped Jell-O into the sherbet glasses, and sprinkle the fluffy topping with the bright little bits of scooped-out Jell-O.

**Jewel-Top Jell-O!** A beautiful new dessert with that wonderful Jell-O flavor. Make some . . . tonight!



JELL-O IS A REGISTERED  
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**TODAY'S FAMILIES ON-THE-MOVE** simply pack a few clothes for the trip — leave the work and worry of moving to America's moving specialists.

## *American Business is also on-the-move...in North American Vans*



**NEW FURNITURE** and other products are shipped, uncrated and packed from manufacturer to customer in huge "boxcar" size North American Gre-tox vans.

**HIGH-VALUE PRODUCTS** (electronics "beats," tele-  
alators, etc.) too delicate for ordinary handling  
travel safely & quickly in North American padded vans.



**COSTLY DISPLAYS,** kitchen and furniture are padded for shipment to a few rows of convenient, search-  
combinations of time and factory fresh — with  
everything in North American vans. For example,  
North American Van Lines was hired to move the  
irreplaceable \$60,000,000 Walter P. Chrysler Art Col-  
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An internationally famous news correspondent and commentator climbs aboard a North American van to report on a significant trend in American living.

# 30,000,000 PEOPLE ON-THE-MOVE

by ALEX DREIER, NBC's "Man on the Go"

While you read this article, the prized possessions of more than 2500 families are traveling to new homes in other cities and states, in the big, colorful vans of North American Van Lines . . . the nation's leading long-distance mover.

This mass migration continues year after year and is growing continuously. It's the result of relocation of industries, shifting of defense personnel, transfer of business executives, industrial expansion overseas. And it has led to the development of North American Van Lines' efficient operations . . . the better way of moving that relieves families of the work, worry and responsibility during the move.

Today a family moving to the next city or state—or as far away as Alaska, Hawaii or Ger-

many—need only call on the local North American Van Lines agent for a safe, on-time move. The modern van arrives when scheduled. Company-trained personnel pack household goods for a smooth journey. Then the North American van reaches the new location at the time arranged . . . and North American men place belongings in the positions desired by the family moving.

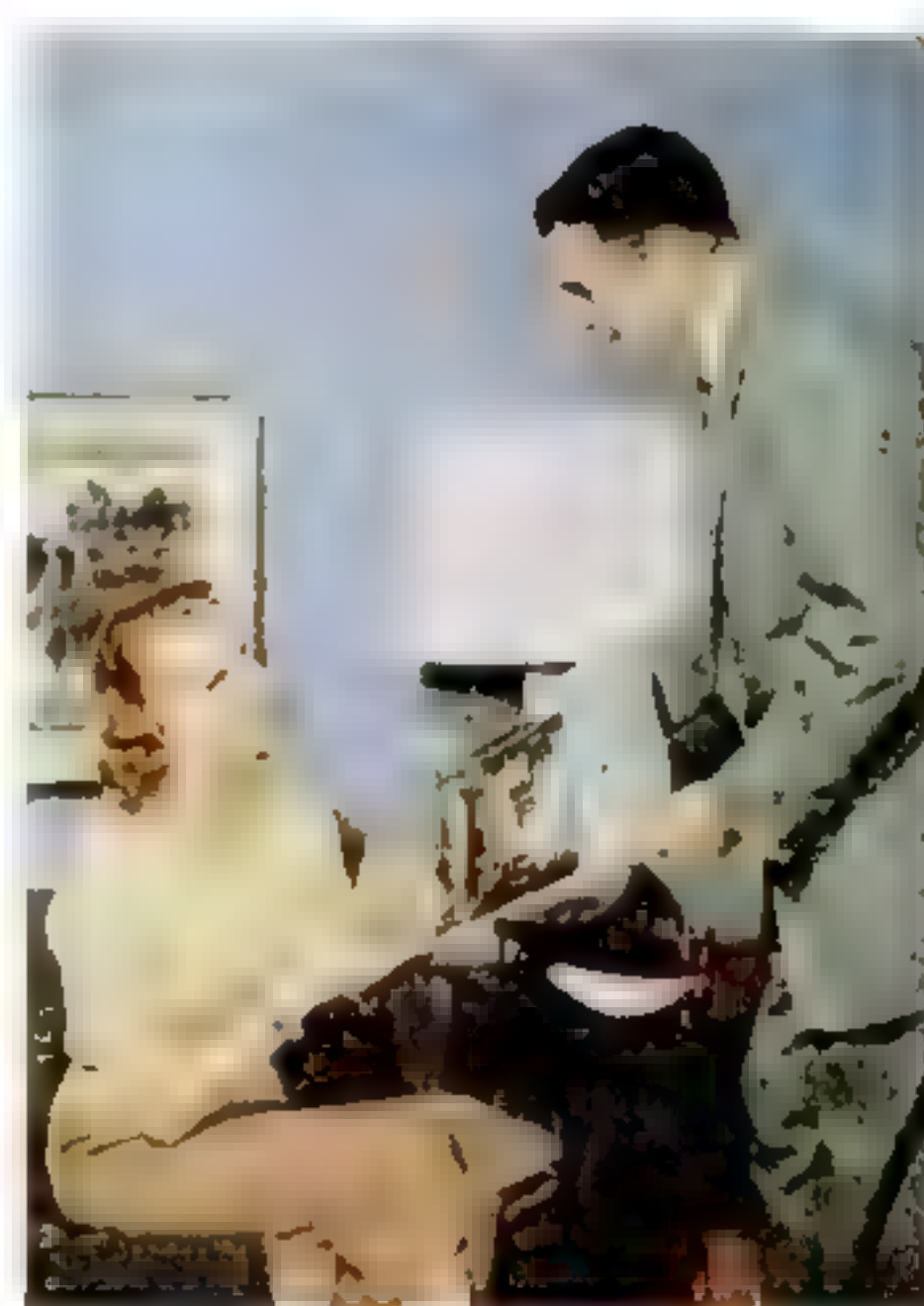
This, then, is the up-to-date way families move—the famous North American "Wife-Approved" way. To enjoy such a move, people simply call the North American agent listed under "Movers" in their telephone directories—or write to the World Headquarters of North American Van Lines, Inc., at Fort Wayne, Ind.



**SKILLED NORTH AMERICAN** men carefully pack all family possessions, utilize more than \$1000 worth of protective pads, cartons and equipment to assure safe arrival of all fine furnishings at the new home.



**BEAUTIFUL DRESSES, suits, coats** and all other wearing apparel travel in North American protective wardrobes that seal out dust and dirt, guard against wrinkles. Fine linens, draperies get equal protection.



**FREE** 116-page Rand McNally Road Atlas (retail value \$1.50), showing the routes to the new home, is given to each family planning a long-distance move by the local North American agent. It's presented right along with the North American agent's free estimate. This estimate will show that a North American move is not expensive! All Class I movers operate on standard moving rates, based on weight and distance, lawfully filed with the Interstate Commerce Commission.

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# The Maestro's Hands Are Stilled

CLENCHED HANDS EXHORT ORCHESTRA

A LIFETIME OF HIGHEST ART BEHIND HIM, TOSCANINI DIES AT 89

The two most fiercely commanding hands ever to serve the art of music stopped in their search for pure beauty last week and lay quiet in death. Arturo Toscanini died at 89 in his sleep in his New York home and, like the end of a great concert, the end of a great life brought the music world to its feet in tribute. In Carnegie Hall, where he was the New York Philharmonic's conductor for its finest 10 years, and at the Metropolitan Opera House, where half a century ago he led historic stage productions, audiences stood in hushed sorrow. During New York's coldest weather, musicians and music lovers lined the streets up to his bier to see the terrible-tempered man who wished only for perfection in music. And in Milan, where the maestro was to be buried, the shrine of Italian opera, La Scala, had a sign on its door reading: "Closed in honor of Arturo Toscanini."

CLASPED HANDS REST IN A CASKET





**A SCHOOLBOY**, 8-year-old Arturo stands between his aunt and sister in Parma. A schoolteacher let him play her piano and when he learned to play opera songs on it he decided on music as his career



**ARMY BANDLEADER**, Toscanini stands before group he led during World War I. He was decorated for heading band when it joined troops in charge against Austrians during Battle of Monte Santo.



**WITH FAMILY**, his wife Carla and his daughter Wally, Toscanini arrives in U.S. in 1928. He was taking over full direction of New York Philharmonic which he led as guest conductor two previous years.



**OPERATIC QUARTET** of Impresario Giulio Catti-Casazza, David Belasco, Toscanini, Giacomo Puccini

gather in Metropolitan Opera House before 1910 premiere of Puccini-Belasco *Girl of the Golden West*.

## HIS FAMILY AND HIS FULL LIFE

That Toscanini played music at all is remarkable. Neither his father, a tailor in the north Italian town of Parma where Toscanini was born in 1867, nor his mother was interested in music. Arturo, at first, was unable to get a scholarship at the Parma Conservatory, but after he finally got one he graduated with honors. As a touring opera company cellist in South America when he was 19, Toscanini made his conducting debut with *Aida* when the

regular conductor failed to appear. Within a few years he was at the height of his powers, and for almost 60 years the Italian stayed supreme—matchless, above all, in his performances of Verdi operas and Beethoven symphonies. As uncompromising in political ideals as in music, he refused to cater to Italian Fascism or to play in Hitler's Germany. With unflagging energy, he conducted year after year. He was 87 before he finally put his baton down.

ON HIS LAWN IN 1939, TOSCANINI TAKES TIME OUT TO PLAY HIDE-AND-SEEK WITH HIS GRANDDAUGHTER



CONTINUED





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# NIGHT MUSIC AND SOME LAST INSTRUCTIONS

After his retirement in 1954, Toscanini spent little time in his beloved Milan. He had too much work to do in New York. All of his rehearsals and broadcasts with the NBC Symphony were preserved on disks or tape, and with the help of his son and an assortment of electronics engineers he was editing these into records. In the evenings, at times, he invited

some of his old orchestra's string players to have dinner and to play chamber music. At the last of these, three months ago, as the group below was playing Beethoven's second Rasoumovsky quartet, Toscanini could not help himself. Getting up, he crossed the room, stopped the players, and once again—now for the last time—Arturo Toscanini conducted.



SITTING BESIDE WILFRED PELLETIER, TOSCANINI LISTENS TO QUARTET. THEN RISES AND COMES OVER TO TELL THEM HOW TEMPO AND PHRASING SHOULD GO





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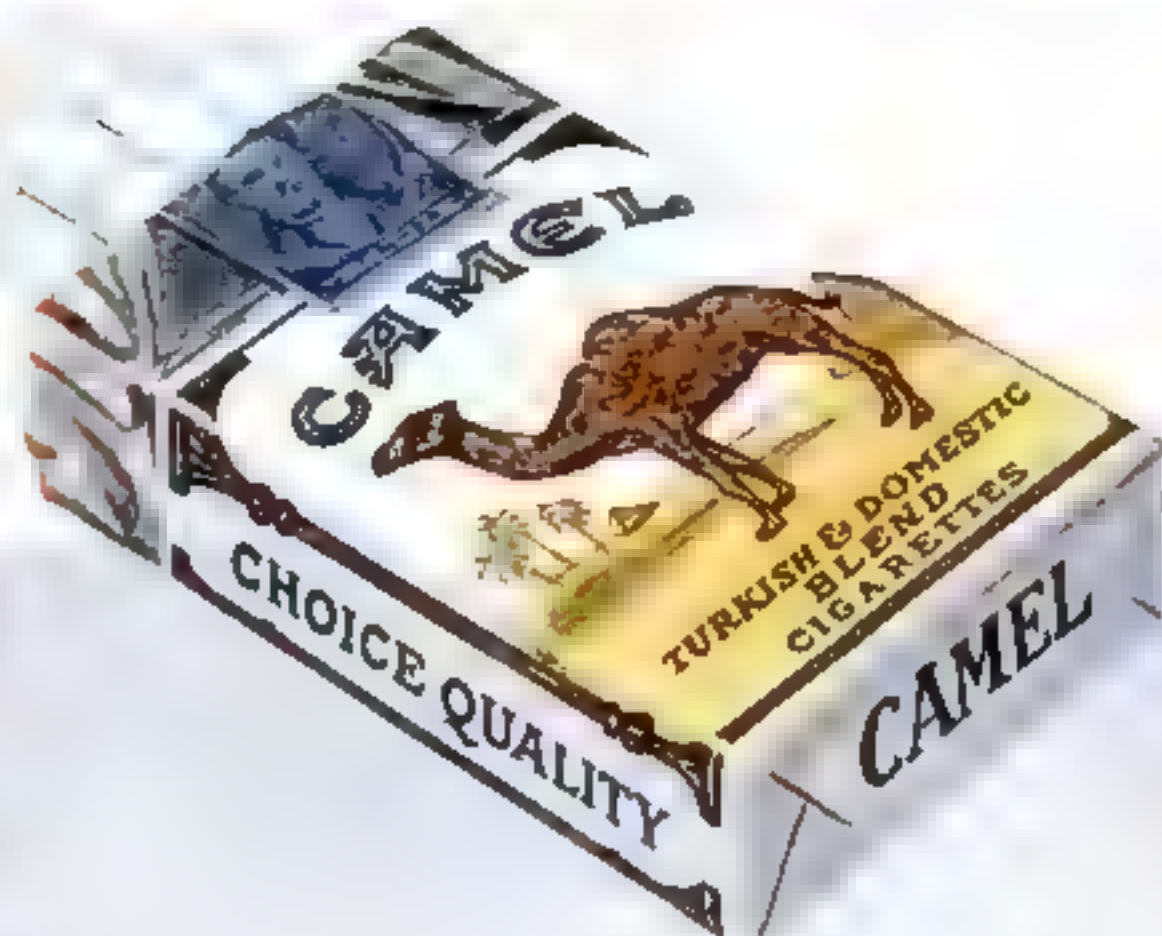
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**COZY PAIR,** Wilt Chamberlain, the Kansas star, and ex-Couch Phog Allen, who brought him to Kansas, have a few words through netting in gym.

# WHAT IT TOOK TO GET WILT

Old recruiter, army of workers, rich alumni helped Kansas land star

The University of Kansas has had the finger of suspicion pointed at it ever since it enrolled 7-foot-tall Wilt Chamberlain, who was sought by a hundred campuses and is now the most spectacular of all college basketball players. Every time Kansas wins with "Wilt the Stilt" (it has lost only once this season) gossipy stories of how he was recruited grow stronger—of under-the-table deals, of a trust fund of \$10,000 (or \$25,000) which waits for the big fellow when he graduates.

It sometimes takes money in one form or another for a college to get a great star today. Because one college can usually offer as much as the

next, it often takes something else. In this case it took the man talking to Wilt above, aggressive, crafty Dr. Forrest C. ("Phog") Allen, who for 39 stormy years had survived as coach at Kansas. How he mapped the strategy that brought Wilt to Kansas and led the small army that carried it out is told on the following pages. The triumph turned to ashes for Allen last year when, kicking like a steer, he was forced to quit as coach at the compulsory retirement age of 70. When he is asked what he used to recruit Wilt, Phog has a blunt answer: "Of course I used everything we had to get him. What do you think I am, a Sunday school teacher?"





**WILT THE STILT**, grilled by reporters in rare interview, reflects before answering. Asked what he was getting at Kansas, he replied, "An education."

## Stalking Stilt, job for many

At Overbrook High in Philadelphia, Wilt had scored a fantastic 39.9 points a game and become basketball's biggest prize. Phog Allen, the master recruiter, went after him with one of the biggest crews ever turned loose on an impressionable schoolboy. He enlisted the aid of influential Kansas Negroes, educators and wealthy businessmen. A stream of letters, visitors and phone calls flowed into Philadelphia telling Wilt that Kansas was the place for him. Finally, Allen himself showed up to charm Chamberlain's mother. "I always head for the mother, you know," Phog explained. "I'm a mama's guy."

By the spring of 1955 competition for the prospect of the century had boiled down to Kansas and Indiana. Indiana held a slight edge for Wilt's favor but Phog Allen was not perturbed by it. He had snatched another prime prospect, Clyde Lovolette, from Indiana a few years before. "The worst rushers in the world, the Indiana bunch," confided Phog.

No one could have been treated better than Wilt was when he visited the Kansas campus the second time. "Where we outrushed Indiana is we showed him how successful the Negro in Kansas was," said Allen. Even before the final negotiations, Wilt had decided to go to Kansas.

"Let's be realistic," says Allen with refreshing candor. "Until 1946 I never had any help. Then alumni started to sweeten the pot. Well, I heard that another coach charged us with giving Wilt \$5,000. Well, if he charges \$5,000—and he's sore about it—why then that must mean someone was dickering for less, huh?"

WILT CONTINUED

## THEY SOUGHT BETTER RACE RELATIONS



**JOURNALIST** Dowdal Davis, general manager of *Kansas City Call* and one of Midwest's most influential Negroes, arranged first Kansas approach to Wilt. He wanted national Negro figure for his old school.



**CONCERT SINGER** Etta Motten (Kansas '31) wrote letter to Chamberlains extolling the advantages of a U. of K. education for Negroes. Her support was enlisted by Allen through ex-date of music.



**AFFLUENT FRIEND** of Kansas, Lloyd Kerford, whose son and daughter are Kansas grads, visited Wilt's parents and entertained the boy in Atchison, Kan., where he owns limestone quarry.

## THEY WANTED BASKETBALL VICTORIES



**LOYAL ALUMNUS** Skipper Williams helped to entertain Wilt during vital recruiting period. Wilt stayed at Williams' home on two visits to the campus, drove his car, played his guitar and was served steak for breakfast.



**ATHLETIC DIRECTOR** at K.U., A. C. ("Dutch") Lomborg, was member of strategy committee which plotted to get Wilt. He outlined scholarship benefits and helped others, he says, to "kill the boy with kindness."







**EDUCATOR** Franklin D. Murphy, chancellor of U. of K., was eager to improve racial integration in Kansas. He had thought about attracting a top Negro athlete to Kansas before Allen ever heard about Chamberlain.



**PROFESSOR** of chemistry at Kansas, Calvin Vanderwerf, visited Chamberlain in Philadelphia and made a deep impression. A supporter of integration, he is Wilt's faculty adviser. The boy's big personal problem, he says, is "too much publicity."



**OLD CHEERLEADER** Roy Edwards, class of '42, Kansas City seed merchant and ardent basketball fan. Prominent in an alumni group which helps the athletic department get talent, he wrote to Chamberlain almost every week before he finally came to Kansas.



**FORMER STAR** Clarence McGuire, "fighting guard" for Kansas in 1929, met with Allen and two others in Kansas City hotel to discuss strategy for pursuing Wilt. He helped get prominent Negroes behind project by introducing Allen to Dowdal Davis.



**THE OLD COACH**, unmindful of the frenzied spectator behind him, watches stonily from stands as Wilt performs against Kansas State. "I go to games out of habit," Allen says. "I'm like the postman who takes a walk on his vacation."



**NEW COACH** Dick Harp, formerly Allen's assistant, uses chess men to explain play to Wilt. Wilt openly gets standard athletic free board, room, tuition and book, plus \$15 for selling football programs and sweeping the stadium.





CHAMBERLAIN ATTENDS B.A.M. RELIGION CLASS. HE MAJORS IN BUSINESS, IS A C STUDENT



YOUNG ADMIRER, 11-year-old R. A. Edwards III, clutches Wilt's hand on way back to hotel after tournament in Kansas City. In bag are basketballs

## A big pay-off by a big man

"Chamberlain has one weakness," says Nebraska's Coach Jerry Bush. "He doesn't handle the ball too well with his left foot." Despite his tremendous height, Wilt is extremely well coordinated and seems to spend most of his time suspended in mid-air (*opposite*). He jumps for rebounds, jumps when making shots and jumps just for the sheer joy of it.

The only team to beat Kansas this year was Iowa State and they did it by ganging up on Wilt and holding him to 17 points. But Chamberlain leads the nation in scoring with a 30.6-point-a-game average, and deserves an assist for many points his teammates score. As a decoy he takes two or three opponents assigned to guard him out of a play. Says Phog Allen, "I could win games with two sorority girls, two Phi Beta Kappas and Wilt Chamberlain. He's the greatest basketball player I ever saw."

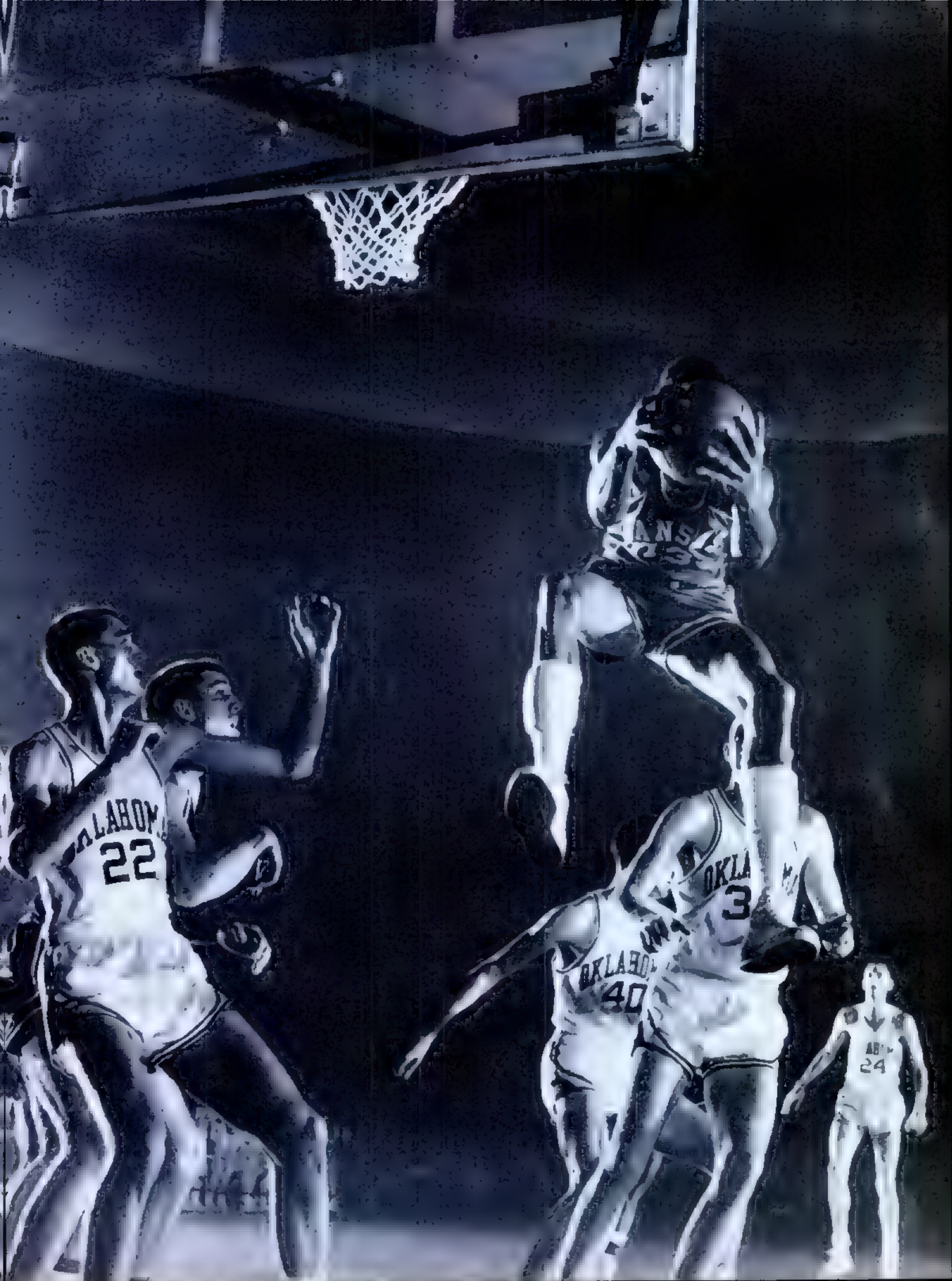
SPRY AT 71, ALLEN GIVES ANIMATED VERSION OF PLAY BEFORE STARTING HIS TV SHOW



**A GIANT ON DEFENSE.** Wilt consistently makes it difficult for opposition to shoot. Here he leaps to block a shot by Oklahoma's Monte Simpson (*top*) and deflects ball (*upper left, second from top*) downcourt. The play is reversed as teammate Maurice King (No. 8) breaks for basket. By the time King had shot, Wilt was under the basket (*bottom*) waiting for rebound.

SURROUNDED BY RIVALS, WILT VAULTS TO GET A REBOUND—>







# Unlocking the

FREUD'S TORTUOUS THERAPY HELPS THE EMOTIONALLY



INNER TURMOIL was barely obscured by patient's look of contentment (top) and masked by psychoanalyst's treatment which lays bare, then eases mind's conflicts and anxieties



# Mind in Psychoanalysis

## TROUBLED RESOLVE CONFLICTS CREATED BY ID, EGO AND SUPEREGO

BY ERNEST HAVEMANN

*Three earlier instalments of LIFE's series on psychology outlined the increasing importance of this new science in our daily lives, described the tests and experiments by which psychologists have learned about human behavior and capabilities and showed how psychologists have influenced industrial working habits, new products and mass buying. In this article Ernest Havemann focuses on psychology's approach to the individual through the theory and actual practice of psychoanalysis.*

AS the age of psychology has come to evolve more and more around the mental health and welfare of the individual man, it is the psychoanalyst who has most fascinated the general public. His very working methods, insofar as the public imagines them, have a fascinating air of the black art about them. His couch, his notebook, his look of intense concentration as he waits to pounce upon a seemingly insignificant remark and use it to unlock the whole secret of the unconscious mind, all make him seem like an exotic, mysterious, half kindly and half frightening high priest, privy to secrets beyond the ken of the average man. In a sense he seems to satisfy two of mankind's oldest appetites—for the occult and for the sinful.

The principles on which the psychoanalyst operates have spread their influence far beyond the therapeutic couch. Practically everybody nowadays accepts or acts upon some of the basic concepts laid down by Sigmund Freud—such notions, which will be discussed later in this article, as repression, the unconscious, the lasting role of primitive urges in our adult personalities. Dr. Benjamin Spock's famous book on babies, consulted in some eight million families for advice on such common household medical problems as coughs, colds and rashes, is firmly rooted in Freudian principle. All "motivational research" in advertising agencies is based on the Freudian notion that many of our actions can be traced to motives and drives that we never suspect.

Even those of us who might claim that psychoanalysis is nonsense take for granted that slips of the tongue, forgotten appointments or a tendency to have one accident after another are a meaningful reflection of our true feelings and personalities, which was one of Freud's great discoveries. It is no exaggeration to state that practically all the work and all the thinking now being done in the fields of psychology and psychiatry—even by the sharpest critics of Freud—assume in one way or another that at least part of what Freud said was essentially correct and vastly important.

Considering the influence of the analysts in our society, some of the statistics about them are quite startling. Freud certainly cast a big pebble into our century's pool of thought, but in terms of the actual number of people involved the spread of psychoanalysis has been more like the waves in a molasses vat. This is because the education of an analyst is a slow and tedious process; each analyst can train only a few others even if he devotes most of his time to teaching.

The classic treatment is equally time-consuming. Working a 40-hour week, about all that is humanly possible in such a difficult and demanding profession, an analyst can treat only eight to 10 patients at any given time, seeing each of them three to five times a week. Since each patient is supposed to remain in analysis two to five years and sometimes even longer, the average practitioner fully analyzes no more than 150 patients in his working lifetime. Thus in the entire world today there are only about 1,400 practicing psychoanalysts, perhaps 14,000 people undergoing analysis and certainly no more than 100,000 people who have completed anal-

ysis. All the living analysts and their past and present patients could be amply accommodated in a single medium-sized city like Scranton, Pa. or Savannah, Ga.

Because so few people have ever had any intimate experience with the psychoanalyst, a good many myths about him have gained wide acceptance. In the movies, the cartoons and the popular imagination, the analyst tends to look foreign, wear a beard and hold forth in the luxurious penthouse of an expensive Park Avenue apartment building, where he is titillated all day long by the engrossing details of the sex lives of the nation's most beautiful and wealthy women. Nothing could be further from the truth. In the first place, psychoanalysis is no longer "foreign." About 50% of all living analysts and students training to become analysts now are native-born Americans. They wear no beards—indeed 15% of them are women and could scarcely be expected to—and in appearance are usually undistinguishable from bankers, teachers, dentists and businessmen. One analyst likes to tell of the time he went to a meeting of analysts at The Waldorf-Astoria hotel in New York City, wandered into the wrong conference room and was unaware for quite some time that he was attending a convention of plumbing manufacturers by mistake.

Nor are the analysts so wealthy as many people think. Only the rare analyst can charge \$50 an hour; most of them charge \$20. Their income is rigidly limited by the number of hours they can work and often drastically reduced by teaching, writing and free clinical service. They do not make as much money on the average as other big-city medical specialists. Nor do they have anywhere near so long a working life as the average man. The education of the analyst is just beginning when he gets his first college degree and watches most of his classmates go off to work. To be recognized by the American Psychoanalytic Association the student must take his M.D., his internship, lengthy analytical training, three years in a psychiatric hospital and his own analysis, for which he pays like anyone else. The "lay analysts" who practice without an M.D. must also take many years of advanced training under the best supervision if they are to be competent in their work. Ordinarily an analyst is not ready to see his first private patient until he is about 35 years old—and perhaps in debt for his prolonged education. He may be in his 40s before he has his debts cleared up, a steady practice established and his independence assured.

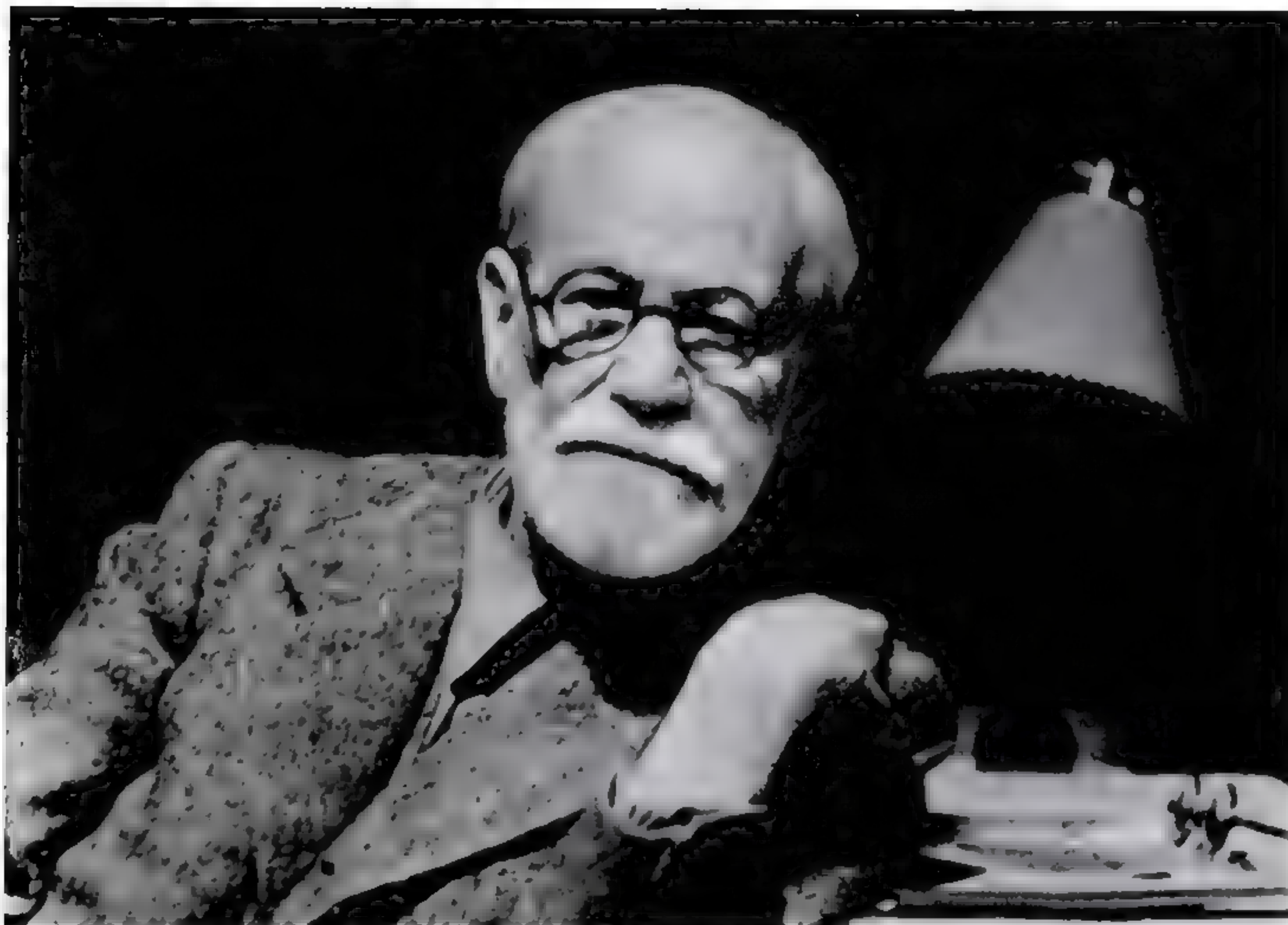
### The anonymous, neutral doctor

AS a matter of fact no analyst can ever really be sure of a steady practice. It is an essential feature of analytic treatment, for reasons which will be explained shortly, that the doctor must be as anonymous, colorless and neutral as possible. He cannot successfully treat any of his relatives or friends, or anyone else with whom he has had any substantial social relations. This means that he can utilize few of the avenues of friendship and social acquaintance by which other doctors commonly enlarge their practices.

Wealthy patients—the very ones who can best afford analysis—often are scarcely embarked upon the treatment before they find an excuse to get away on a foreign cruise, or go rushing into a new marriage which makes them feel so much better temporarily that they decide their problems are over. Sometimes patients break off abruptly because of the objections of families who either disbelieve in psychoanalysis, are ashamed of it, or become alarmed by the unavoidable fact that analytic patients often seem to get worse before they get better.

As to what analysts hear all day long, the truth is that human





FOUNDER OF PSYCHOANALYSIS, Dr. Sigmund Freud, is shown in one of his last portraits. The photograph was made in Freud's Vienna apartment

in June 1938 just a few days before he left Austria, which had recently been taken over by Adolf Hitler. Freud died the following year in London at 83.

## PSYCHOLOGY CONTINUED

problems tend to be depressingly similar, and often psychoanalysts get the impression that they are listening to the same monotonous phonograph record played over and over again. One of the vexatious problems of the analyst is staying awake at times like this. On the other hand, if his patients are highly disturbed, tense and emotional, he may have to fight to keep his own emotions on an even keel. After a final hour of the working day spent with an overwrought patient reliving a scene of deep grief, the analyst often finds it difficult to go home and take a normal interest in a wife's shopping problems or a son's concern over a broken bicycle.

Although sex plays a key part in Freud's theory of how people become neurotic, it need not necessarily come in for much discussion at all in the day-by-day course of an analysis, which is considerably less lurid than the layman has been led to believe. Certainly the typical analyst is anything but a lewd, sinful or gossip-loving man at heart. He is first of all a physician—and doctors are notoriously conservative, possibly because no frivolous man would want to burden himself with such a long and arduous course of study. For all the somewhat startling theory he accepts, in practice he is usually a solid and even stolid citizen, devoted to his family and his dog. (Freud always had a dog and sometimes two of them.)

The good, middle-class orthodoxy of the analysts is in fact considered by some of them to be a serious weakness of their profession. The typical analyst, though he can understand and sympathize with the customary polite and restrained neuroses of the college-educated, may be lost altogether when it comes to dealing with the brutality, lust, drunkenness and crime that represent the common neurotic pattern among the lowest social classes.

To understand how an analyst actually does go about treating his patients, all the popular misconceptions aside, it is necessary to grasp some of the principles of psychoanalytic theory. This is not easy. The book which is generally considered the shortest, simplest and easiest guide to the field, stripped down to the bare essentials, is Dr. Charles Brenner's *An Elementary Textbook of Psychoanalysis*; it is some 14 times as long as this article and there are parts of it which even Dr. Brenner concedes must be read three or four or a half dozen times before they can be properly understood. The really basic concepts of psychoanalysis, however, can be summarized about as follows.

### The mysterious unconscious

**T**HE most important Freudian principle of all is that of the unconscious. Freud was the first to point out the now generally accepted fact that the human mentality and personality are like an iceberg, so to speak, with only a small part visible and the great bulk submerged and concealed. In our everyday life we see countless examples. A mother claims to be the soul of generosity in her dealings with a daughter, motivated by the most self-sacrificing kind of love—yet we can see plainly that her real motive is to tie the daughter to her apron strings, dominate the girl, keep her from marrying and have her as a maid servant all her life. Or a man is a very pious churchgoer, a deacon, extremely strict with his wife and children—yet consistently tries to short-change his business associates. We sometimes think of such people as hypocrites, but more often than not they are simply the victims of a vast disparity between what they think they are and what their unconscious motives actually make them.

Perhaps an even better example of the unconscious is the phenomenon known as posthypnotic suggestion. The hypnotist tells



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**FREUD'S TEACHER**, Paris Neurologist Jean Martin Charcot, operated clinic where Freud studied. It was here, through Charcot's work with hysterical patients (*above*), that Freud became interested in the unconscious.

## PSYCHOLOGY CONTINUED

the subject that after waking from his trance he will, without remembering this command, go and raise a window the first time the hypnotist coughs. Sure enough the subject does so. If you ask him why, he will invent some excuse, perhaps that the room felt stuffy—never suspecting that the real reason was completely unconscious. It is Freud's major premise that just as a forgotten hypnotic command can make us open a window without knowing why, so can all kinds of forgotten desires and conflicts affect our behavior without our ever knowing it.

The core of the unconscious is what Freud called the id. This is the raw, primitive, untrammelled, instinctive part of the human personality. The simplest way to understand the id is to think of it in terms of the human infant. According to Freud, the baby in its crib, unable as yet to think like a human being, more like a little animal, is a creature of boundless passions. It is swayed by two powerful, overwhelming drives. One is to love and to be loved, to be fondled and protected, to be kept warm and happy—all the feelings that are part of the complex pattern of behavior that centers around what adults know as the sex impulse. The other is to fight, to dominate and where necessary to destroy—in a word, to be aggressive.

In the child, Freud says, these two drives know absolutely no limit. The id is blind, insatiable and urgent; it demands immediate and total satisfaction for its slightest whim; it will brook no delays and no obstacles. It wants to possess completely everything it loves; it wants to destroy anyone or anything that stands in its way. When it is frustrated it reacts with terrible and murderous rage. As the child grows up it learns to deal with and control these impulses—but the id remains active all our lives, a sort of beast within, crude and demanding, thinking in the primitive, illogical and often even wordless kind of way that makes our dreams so strange and foolish, or makes us rant and rave when we have a high fever.

### The ego: sane, logical, sensible

**T**HE essentially conscious, sensible part of the mind which develops as the child grows older was termed by Freud the ego. The ego is the real us as we think of ourselves. It does our logical thinking; it is alert to what goes on around us; it does the best it can to help us lead sane and satisfactory lives in relation to our environment. To the extent that the primitive drives of the id can be satisfied without harm or danger, the ego permits them satisfaction. But when the drives threaten to involve us in serious conflict—or get us jailed or shot—it holds them down. It has a number of ways of doing this. Of all the mechanisms by which the ego maintains our defenses against the ruinous demands of the id, the simplest and most important is repression. This means that the offending or dangerous wish and

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FIRST PSYCHOANALYTIC COUCH was the one used by Freud in his Vienna office. Freud sat at left, behind patient who lay relaxed on couch.

**PSYCHOLOGY** CONTINUED

everything about it, the situation in which it welled up and the conflict it caused us, are actively pushed back into unconsciousness and kept there no matter how hard they struggle for expression; we never again become aware of them except insofar as they can creep in disguised form into our dreams or fantasies when our defenses are down.

In its constant struggle to keep the id in line, the ego has a strong but difficult ally in the third part of the mind as mapped by Freud—the superego. The superego is usually defined for the benefit of laymen as the conscience, that still small voice which tells us what is right and what is wrong. But this is a very superficial explanation. For one thing the superego is mostly or totally within the unconscious, like the id, and in a way its demands and its strictures are just as illogical and insatiable as the id's blind drives. Like the conscience we are aware of, it does set up standards of right and wrong—but it does this without our knowing it, and its standards are far more rigid, unrelenting, fierce and vengeful than anything in our conscious minds.

**A perfectly natural conflict**

THE superego is formed, as the child grows up, as a result of that famous conflict known as the Oedipus complex, which is perhaps the most widely publicized feature of the entire Freudian theory. Many people find the whole idea of the Oedipus conflict so distasteful and so distressing that they simply refuse to believe it, and therefore reject the whole structure of psychoanalysis. To analysts, however, the Oedipus complex is nothing shocking at all, but simply a natural and inevitable accompaniment of growing up, observed over and over again. They say that between the ages of about 2½ to 6 every child is embroiled in a virtual frenzy of mingled love and hate for its parents, passions as strong as any it will ever feel in later life.

Among boys the id's drive for affection reaches out insatiably toward the first object at hand—the mother. Though the child has only the haziest notions and feelings of what sex is all about, he wants to possess the mother utterly and totally insofar as he comprehends this; his love for her knows no bounds. Nor does his rage against his father, the hated rival with whom he must share her. But the intensity of his rage makes him afraid that his father will somehow retaliate, and his every move is made in fear. To complicate matters, his demands for love from his mother are so insatiable that he feels rejected and now the aggressive drive of his id also springs into action toward her. While loving her beyond reason he also hates her and determines to take her place with the father—so that now he is overwhelmed with mingled love, hate and fear for both parents at once. Girls go through almost the same torments, except that their affection centers chiefly on their fathers, their feelings of rivalry on their mothers.

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USE OF ANALYTIC PRINCIPLES is made by Dr. William Boutelle (left) to treat a disturbed boy at a New Jersey diagnostic center. In dealing with delinquents Boutelle favors a direct approach, asking many specific questions and urging patient to volunteer information that will help him.

## PSYCHOLOGY CONTINUED

resolved. One of the mechanisms by which this happens is identification—another important psychoanalytic term—with the parents. This is not an easy process to describe; in brief it means that the child more or less absorbs his parents into his own personality—especially the more forbidding and disciplinary aspects of his parents. He solves his mingled love and hate for them by becoming like them, by taking into himself their strength and their authority, by convincing himself that his love and hate are "bad." Their moral judgments, or what he conceives of as their moral judgments, now become his superego. This helps him hold back the id drives which caused him such intense discomfort during the Oedipal period. But forever after the superego will to a certain extent dominate him. As his parents once did, it will punish him or threaten to punish him for transgressions. And since its standards were rigidly set in childhood, its notions of crime and guilt are likely to be completely illogical and unduly harsh.

### Something can easily go wrong

THIS, then, is in much simplified terms the structure of the human mind as conceived by Freud—the conscious ego trying to keep our behavior on some sort of sensible and even keel, and doing the best it can to satisfy some of the drives of the insatiable id without incurring the wrath and vengeance of the implacable superego. The chances for something to go wrong with this delicate balance of power are almost infinite. For example if a person's ego cannot set up adequate defenses and the id's drives are insufficiently checked, he is unfit to be a member of society, or at least of polite society; he will be a rake and a hot-headed brawler.

If on the other hand the defenses are too strong, he may get into subtler but equally distasteful problems. Too much repression of the sex drives renders a person unable to enjoy a normal life or express and receive a normal amount of affection as an adult. Too much repression of the aggressive drive makes him unable to stand up for himself, to hold his own in the give and take of competition. Too strict a superego will flood his entire life with vague and unwarranted feelings of guilt and unworthiness. This is the cause of what is often called, though Freud did not introduce the term, the "inferiority complex."


To the extent that a person's behavior is controlled by the conscious aspect of his mind—the ego—it is sensible, satisfying

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and normal. To the extent that behavior is governed by childish passions and prejudices of his unconscious—the dark and primitive urges of the id and the rigid and unrelenting demands of the superego—it tends to be foolish, unrewarding, painful and neurotic. What the analyst tries to do when treating a neurotic patient, therefore, is to bring as much as possible of the unconscious out into view, to dredge up all the old repressed urges and conflicts and subject them to the scrutiny of the patient's conscious mind. Once they have become a matter of conscious knowledge and control, they lose their ability to terrorize the patient and to drive him into erratic behavior.

The chief tool of the analyst is the technique, also evolved by Freud, known as free association. The analyst urges the patient, while lying as relaxed as possible on a couch, to let his mind wander where it will—and to speak up with every thought that occurs to him, no matter how foolish or irrelevant it may seem, or indeed how undignified, insulting to the analyst or even obscene. Under these circumstances, much as when drifting off to sleep or dreaming during sleep, conscious control of the workings of the mind is reduced to a minimum, and the unconscious forces have their greatest opportunity to make themselves known, at least by indirection. To the extent that the patient can remember his dreams, the interpretation of which is another complex branch of psychoanalysis, these are also reported. Gradually the analyst gets a picture in depth of the patient's mental processes and problems, not only the conscious ones which are apparent on the surface but also the unconscious ones which have been buried since earliest childhood.

The couch is used in analysis partly to relax the patient and partly to place him in a position where he can be observed by the analyst, who sits to one side and the rear, without being able to watch the analyst in turn. This is part of the mantle of anonymity which has already been mentioned as desirable on the part of the analyst. If the analyst were in view the patient could not help responding to his facial expressions, whether these indicated approval, disapproval or merely a stony inscrutability. But what the analyst has to get at is the patient's own intrinsic trends of thought, unaffected by such extraneous matters. Similarly the analyst conceals his own personality, his own likes and dislikes, so that any reactions the patient has toward him will reflect the patient's own basic personality, unaffected by anything the analyst himself is or does.

#### Another misunderstood term

**H**OW the patient behaves toward the analyst involves the phenomenon called transference, another of the well-known but frequently misunderstood principles of psychoanalysis. It is a common misconception that toward the end of an analysis the patient transfers his emotions to the analyst—in the case of women patients, by falling in love with him—and that this burst of emotion suddenly frees the patient from all crippling restraint.

Actually transference is something quite different. It simply means that all of us in our adult lives tend to transfer to everyone we meet the emotional attitudes that we once felt toward such much loved and hated persons as our parents and our sisters and brothers. These old, repressed and unconscious loves and hates often make us have the deepest sort of affection for people whom our intellects tell us are quite unworthy (like the love affair of the hero in *Of Human Bondage*) or despise people for no sensible reason at all. In analysis, patients seeing their doctor day after day and pouring out their thoughts to him naturally are moved to these spontaneous emotional reactions; they are frequently overwhelmed by a desire to please him and be praised by him or by a wild resentment and hatred of him, or a mixture of both. Since the doctor has done his best to be neither likable nor dislikable, these feelings obviously spring from the deepest layers of the patient's own personality and afford a good clue to his unconscious. Moreover the analyst does not discourage them but lets them develop fully so that they can be studied. Once the analyst has helped the patient understand their sources, the battle is more than half won.

The progress of an analysis, however, is usually slow and painful.



**OEDIPUS COMPLEX** gets name from Sophocles' drama in which Oedipus (right) unknowingly kills own father and marries his mother (left). Scene from TV presentation shows Oedipus telling mother he has begun to learn the truth.

### FREUDIAN TERMS COMMONLY USED BY PSYCHOANALYSTS

**COMPLEX.** This overused word is really nothing more than the analyst's term for any complicated and highly emotional set of attitudes and feelings. The most common ones are the Oedipus complex (the love for a parent of the opposite sex and hatred for a parent of the same sex) and the inferiority complex (a general feeling of personal inadequacy).

**COMPULSION.** A senseless, irresistible urge to keep performing some unnecessary act, such as eating constantly or endlessly washing the hands.

**EGO.** The conscious and unconscious parts of the human mind or personality which direct a person to self-preservation. Part of the ego does our logical thinking and tries to keep our lives on a sensible, even keel.

**FIXATION.** An arrested stage of development. A grown man who has never overcome his childish attitudes toward his mother is said to have a mother fixation.

**ID.** The primitive, instinctive part of the mind—our blind, unconscious, animal-like drives for fighting or for sexual satisfaction.

**INHIBITION.** A hidden and unconscious scruple which keeps us—often beneficially—from gratifying a desire, without our ever quite understanding why.

**LIBIDO.** The mental energy which we derive from our primitive sexual urges. Directed into other channels, it provides part of the drive and ambition of our lives.

**OBSESSION.** An insistent, nagging idea. One common form is an excessive preoccupation with neatness.

**REGRESSION.** The process of reverting to some childhood behavior, common among psychotics but also among fairly normal people in times of severe strain.

**REPRESSION.** The unconscious process of forcing unpleasant or alien thoughts or conflicts into the unconscious, so that we are not aware of or bothered by them.

**SUBLIMATION.** The process by which the socially and morally objectionable drives of the id are satisfied by harmless substitutes. Thus a child's urge to show off and shock people may be sublimated into a career as an actor.

**SUPEREGO.** Roughly, the opposite of the id. The blindly strict, stern, moralistic part of the mind or personality. It is something like the conscience—but is unconscious and unrelated to any real sense of morals or religion. It often hounds people into the most unhappy and even self-destructive conduct.

**UNCONSCIOUS.** The submerged, hidden part of the human mind which contains certain raw instincts plus our repressed conflicts. We are seldom aware of it, but it influences most of our behavior.





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"ACTING OUT," a Freudian term for impulsive behavior which relieves tension, is used in clinical work with children like this 10-year-old boy. By hurling clay at sketch of brother, whom he resents, he helps ease his feelings.

### PSYCHOLOGY CONTINUED

It is very hard for anyone to lie on a couch and let his mind wander unguided through free associations while at the same time putting these thoughts into words—and it is especially hard for the seriously neurotic person because so many areas of thought are blocked by what are called resistances, his unconscious inability to approach any of his repressed memories. If a patient could get right down to free associating during the very first session, and do so regularly for the entire hour on every subsequent day, psychoanalysis would be neither lengthy nor terribly expensive and everybody would be much happier. Unfortunately very little of the analytic hour, sometimes no more than a few minutes in the course of an entire week, is actually spent in this manner. The rest is waste motion.

Yet there is little the analyst can do to hasten the process. If he asks leading questions, he puts at least a temporary end to any possibility of free associations. If he talks psychoanalytical theory, he puts the analysis on too intellectual a plane and runs the risk that the patient will learn the language of analysis without ever learning its personal meaning. He cannot even speed matters along by telling the patient some of the obvious facts he has already learned about the patient's personality. As uncountable thousands of parents, teachers and clergymen have learned—or should have learned—it does no good to reason with a stubborn child, a drunk, a gambler or a young woman consumed by an ill-advised love. Until the neurotic patient has himself caught an insight into his problems, it may only make things worse to tell him what is wrong. So the analyst can only wait; it has been said that he must resign himself to letting the patient maintain day after day that two and two are five until patient and analyst eventually discover together why the patient has believed this was so.

### No advice from the analyst

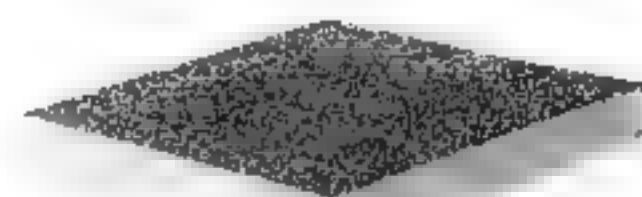
**H**ERE lies another common misconception about analysis. Especially in the movies, psychoanalysts are forever urging their patients to take up a hobby, talk back to the boss or divorce an unsympathetic wife. In truth analysts lean over backward to avoid the slightest semblance of such a thing. At the start of an analysis they usually ask the patient to refrain from shifting jobs, getting married or divorced or making any other serious change while treatment is in progress. This is partly because any major decision might temporarily alter the patient's whole mood and delay the successful treatment of his inward problems, but mostly because the stresses and strains of analysis itself may incline the patient toward impetuous actions which he would later regret.

As for advice in the course of treatment, analysts believe that they could not offer it without revealing some of their own attitudes and preferences and thus losing their anonymity. Moreover

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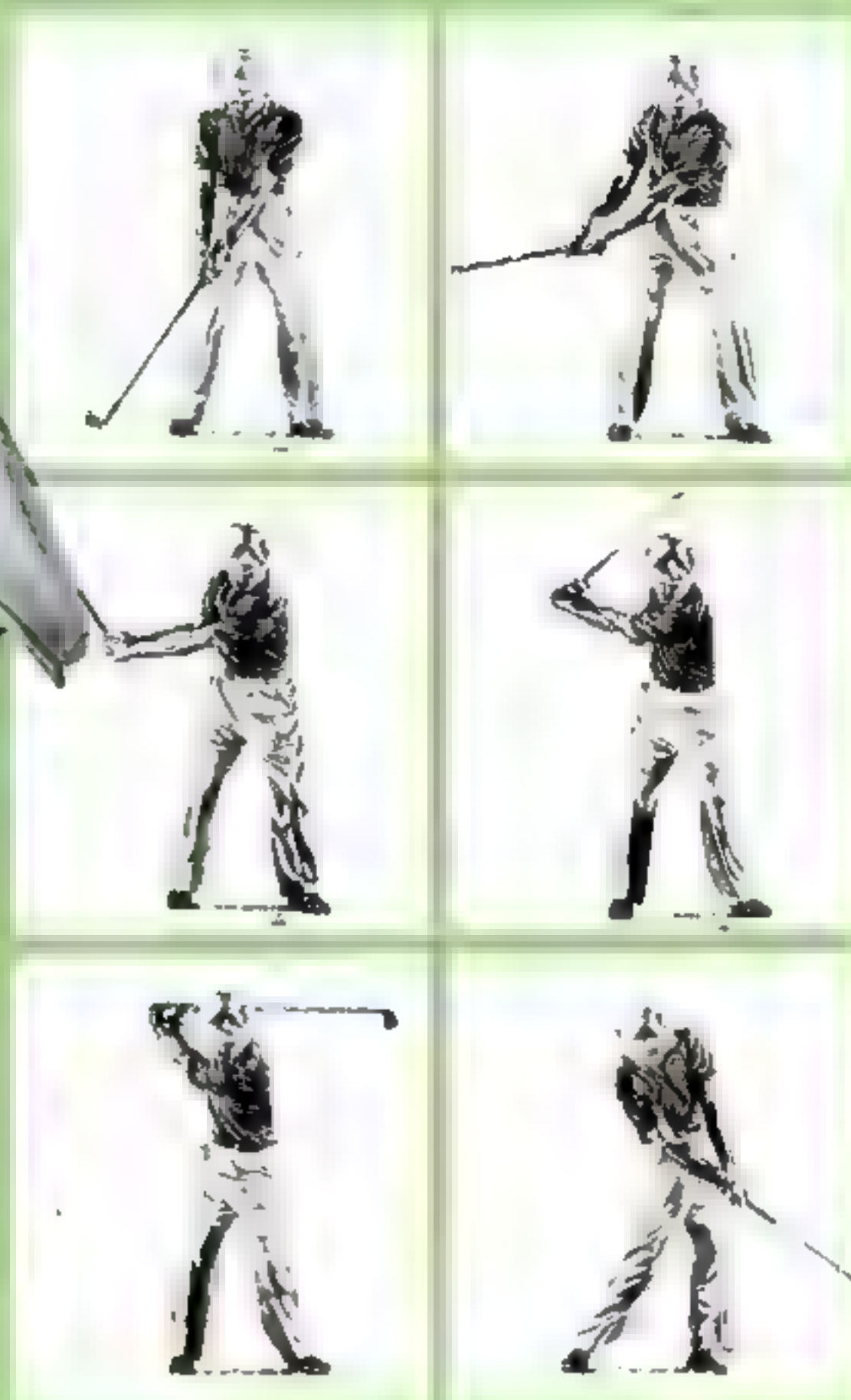
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## PSYCHOLOGY CONTINUED

the neurotic patient can only react to such advice with blind childish dependence or blind childish rebellion, which would only add to his real problems. The psychological counselor or the nonanalytic psychiatrist may sometimes decide that certain people can be helped with sound advice if their neurotic difficulties are not too serious—but the analyst never does.

There is another popular notion that the ultimate end of the psychoanalysis comes in a sort of sudden blinding flash. The patient stumbles on the memory of some painful childhood experience, like accidentally being locked in the bathroom at the age of two, he tells the doctor all about this old memory—and lo and behold he is a new man. There is even a name for this with which many laymen are familiar: catharsis. It so happens that Freud and his associates found early in the game that patients could sometimes be cured of blindness or paralysis that stemmed from emotional upset rather than physical causes by being induced under hypnosis to recall and talk about an event that had profoundly disturbed them. Freud soon discovered, however, that the basic neurotic problem remained and only the symptom was banished by catharsis, more likely than not to crop up in a new form some time later. The same principle holds true of all neuroses. A patient may get some temporary relief by admitting out loud for the first time his secret hatred of a younger brother, or by recalling his terror as a child at witnessing some scene of brutality or lust. But the "catharsis" does not solve his problems.

The picture becomes clearer

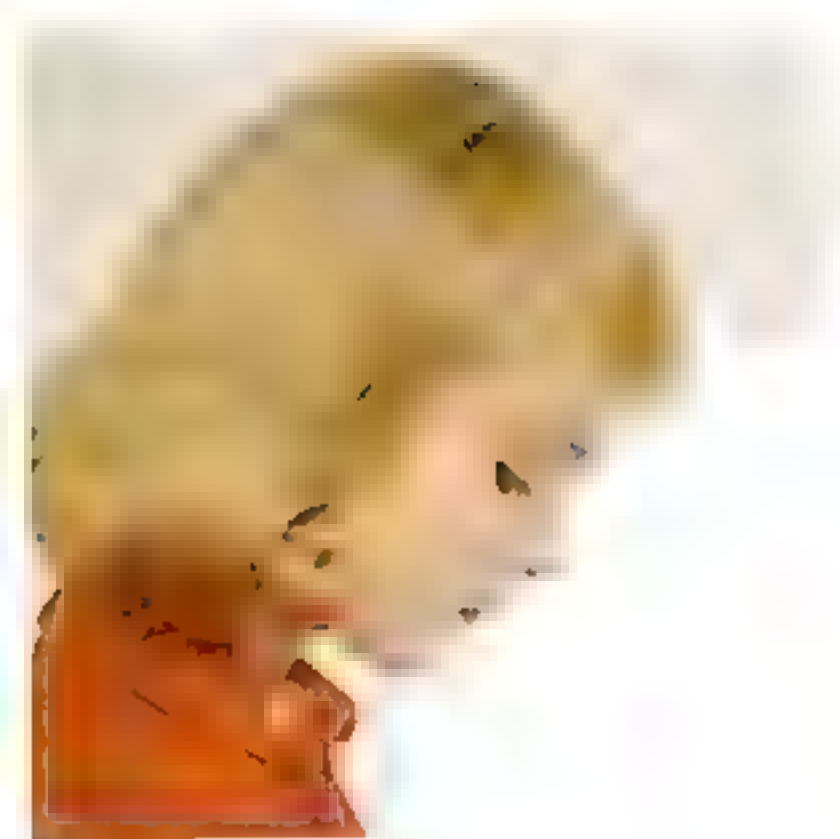
**W**HAT does finally help him in the successful analysis, or at least reduce the number of tempestuous unconscious conflicts and increase the areas in which he has conscious understanding of himself, is something much more gradual and much less spectacular. The analyst, attuned to unconscious problems, begins to get a fairly clear picture of what is really bothering the patient. Some of his clues come from the free associations and the dreams, some come from his interpretation of the patient's transference and others come from the very things which the patient avoids because of his resistances. Gradually the analyst leads the patient to understand that perhaps the reason he suffered a stomach upset the previous afternoon was that he had met the company president in the elevator after lunch. But why should the boss frighten him so? And there the trail begins to lead slowly back to all sorts of forgotten memories and emotional storms, perhaps to his childish fear of his father's retaliation during his Oedipal period, perhaps to the formation of an overstrict superego which will never forgive him for having failed to rise to become boss himself, perhaps both of these and many more.

The layers within layers seem endless; the patient despairs of ever really comprehending the conflicts within him. But gradually it all falls into place; the analyst helps the patient catch a glimpse of how ancient, forgotten wishes and fears persist in his unconscious mind and haunt his life; eventually he gains control of the unconscious drives and conflicts and they bedevil him no more. He has won what an analyst named Dr. Lawrence S. Kubie has called the finest gift that psychoanalysis can bestow: "freedom from the tyranny of the unconscious."

## NEXT: PROS AND CONS OF ANALYSIS AND THE FUTURE OF PSYCHOLOGY

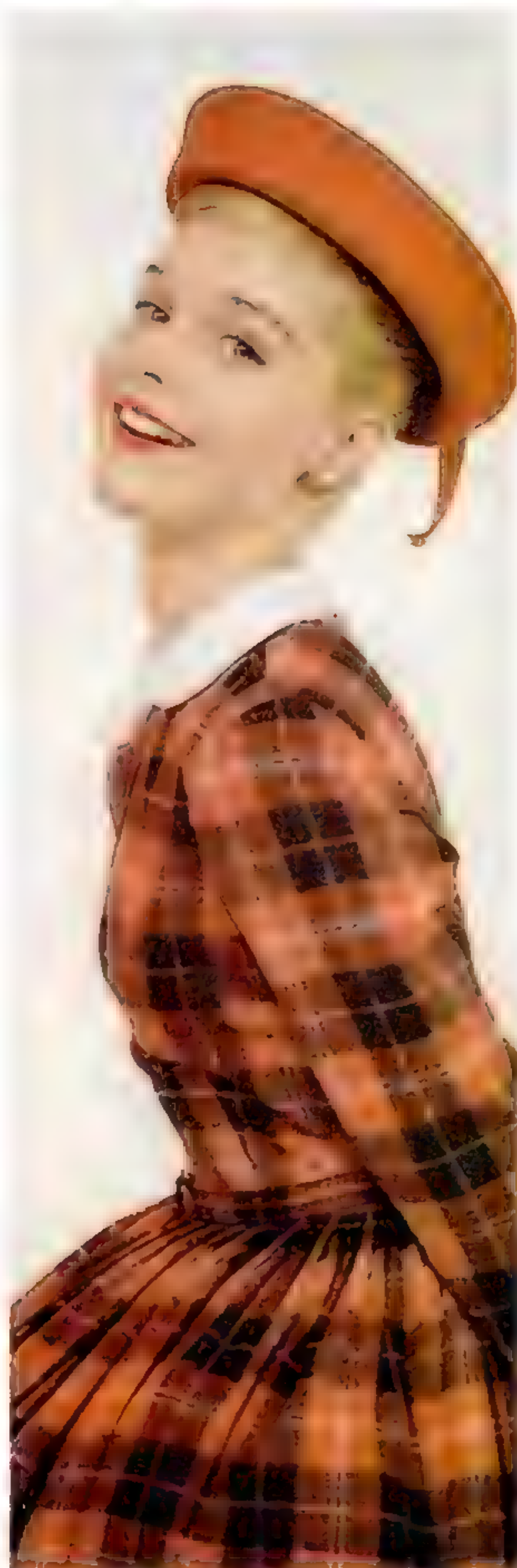
Concluding its series of five articles on psychology, *LIFE* next week will take up the controversies over psychoanalysis, examining among other things the conditions under which analysis is likely to succeed and to fail. It will go on to appraise the future of the whole science of human behavior, including the trend toward clinical psychology and the question which psychology must face: whether the mind's ills are basically physical, and curable by the amazing new tranquilizing drugs, or mental, and therefore treatable only through psychological therapy.





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AT BACHELOR PARTY GOVERNOR MEYNER (LEFT) BIDS FRIENDS GOODNIGHT. "SHORTY" MORGAN HAS PULLED HAT DOWN EXPECTING COLD HIDE TO MAINE

## GOODBY TO BACHELOR MEYNER

His classmates at Lafayette College figured that Bob Meyner, 1930, deserved a really big bachelor party. For one thing, he had been a bachelor for a long time—he is now 48. For another, he was marrying a very pretty girl named Helen Stevenson, cousin of Adlai. And he was, of course, a credit to the college—popular governor of New Jersey since 1953 and a rising national figure in the Democratic party.

The bachelor party, held near Trenton, was attended by 60 classmates from as far away as Virginia and Maine. It was a boisterous evening of jokes and college songs. Meyner smiled happily under a deluge of backslapping and marital advice and laughed loudly at the toastmaster's wish: "May all your problems be Meyner ones." Then, a few days later, he went to Oberlin, Ohio, to take his bride (*next page*).

**LAUGHING CLASSMATES** roar at a joke that Meyner tells. He didn't talk about politics once.

**GRINNING GOVERNOR** accepts a cookbook from Jack Adams and dishes with college scenes.





## SOME FINAL PREPARATIONS AND THEN THE HAPPY DAY



**GETTING LICENSE**, Miss Stevenson and governor appear before county marriage clerk in Elvira, Ohio. She is 28, daughter of Oberlin College's president.



**OPENING PRESENTS** in basement of the Stevenson home in Oberlin, the couple finds a sterling silver coffee service from shipping magnate, Aristotle Onassis.



**KISSING BRIDE**, who worked for him during campaign, Aglai Stevenson exercises consanguinity privilege.

**LEAVING CHURCH**—the First Congregational—the newlyweds push past scores of well-wishers.





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## A HIGH-HANDED REQUEST

As every electrician knows, some jobs would tax the skill of a circus contortionist. Such a job fell one recent day to a Union, N.J. electrician named Albert Kohn who was asked by home owner Melvin Klapholz to move an overhead light to a new location in the kitchen. Kohn cut a new hole and then went to the attic where he squeezed into a tiny space between

the attic floor and the kitchen ceiling to connect the cable. It was only then that he realized he had forgotten his hammer. Reaching down through the hole he asked Klapholz to hand it up. Though mindful that Kohn was in an uncomfortable spot, Klapholz could not resist the opportunity. Instead of reaching for the hammer he grabbed for his camera.





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